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JAPAN'S EXPANDING U.S. MANUFACTURING PRESENCE: 1985 UPDATE

Summary

The drumbeat of criticism by Washington about the trade practices of Japanese corporations is drowning out some good economic news about the same companies from state capitals across the country: more and more Japanese businesses are making the products they sell here in U.S. plants. In 1985 alone, 70 names were added to the list of American manufacturing companies owned wholly or in part by Japanese corporate investors. This expansion, by far the biggest one-year addition in the relatively brief history of Japanese investment, lifted the year-end total of Japanese-affiliated manufacturers in the United States to 435, including 30 companies in which businesses headquartered in Japan have minority interests. More importantly, Japan's expanding U.S. manufacturing presence means jobs -- close to 100,000 of them in industries ranging from metals and motor vehicles to communications and computer equipment, integrated circuits, consumer electronics and food products.

Japan's 1985 Investments in U.S. Production Facilities

Japanese investment in U.S. production facilities has developed a momentum of its own. This conclusion might seem premature since Japanese corporations have only been active investors in this country's manufacturing sector for the last 10 years. But no other explanation fits the bill given the investment climate in 1985. At that time just as many of the factors Japanese executives weigh in considering assembly or manufacturing operations in the United States indicated waiting rather than investing.

The bumpy slowdown in the U.S. economic expansion last year weakened the pull of what was perhaps the single largest cause of 1984's then-record level of Japanese investment activity -- the strength and seeming durability of the recovery here. Similarly, the weakness of the yen until late September curtailed the push that had propelled Japanese corporations to invest in the United States during the first half of 1984 since it both upped the price of building new plants or acquiring existing ones and reduced the cost of supplying the American market through exports.

At first glance, the double-digit hike in Japanese capital spending for the second straight year provided grounds to assume that Japanese companies would step up their manufacturing investments in this country. This reasoning is debatable, however, if only because the increasing pace of deregulation at home opened up new investment opportunities there for Japanese businesses. Neither can the fresh outbreak of protectionist rhetoric in Washington be assigned the decisive role that some ascribe to it. Whatever the political pressures, Japanese firms will not put money into American production facilities unless they are convinced that these investments are economically sound.

Against this backdrop the results of the Japan Economic Institute's sixth annual survey of Japanese investment activity in the U.S. manufacturing sector are something of a surprise. A record-breaking 64 Japanese majority-owned companies joined the ranks of domestic assembly or manufacturing concerns during 1985, 23 more than the year before and almost three times greater than 1982's recession-curbed total. Equally eye-catching, eight firms already turning out products in the United States started work on new factories or acquired additional plants, while a long list of other producers invested in capacity expansion at their existing facilities. Moreover, Japanese corporations, which had shied away from minority investments in American production firms in both 1982 and 1983, obtained shares of at least 10 percent but less than 50 percent in six businesses last year, although this was two less than in 1984.

New plant construction remained the preferred investment route, outnumbering acquisitions by a two-to-one margin. This was the same ratio that had prevailed in the period through 1980 and again in 1983, but in the intervening years the investment mix first tilted toward an even split (1981 and 1982) and then swung in the opposite direction, hitting a four-to-one breakdown in 1984.

Like their predecessors, last year's newcomers, especially the fast-increasing number of small and medium-sized companies, almost uniformly decided to start from the ground up, in large part because their initial U.S. operations are limited to final assembly work. But even big Japanese corporations that are established producers in this country -- companies like Canon Inc., Fujitsu, Ltd., Hitachi, Ltd., Pioneer Electronic Corp. and Toshiba Corp. as well as C. Itoh & Co., Ltd. and Mitsubishi Corp. -- went the new investment route.

While Japanese corporate investors were by no means on the same acquisition binge in 1985 as their American counterparts, they did take over a record

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21 U.S. manufacturing companies. The vast majority of these acquisitions were routine business transactions. But one -- the purchase of New Hampshire Ball Bearings Inc., an important supplier of bearings for defense production, by Minebea Co., Ltd., itself a leading maker of precision bearings -- reignited the controversy in Washington about foreign firms controlling American companies that do work considered vital to U.S. national security interests.

Whether newcomers or repeat investors, Japanese companies continued to opt in most cases for wholly owned production units rather than joint manufacturing ventures with American businesses. Yet the mutual benefits that can be derived from production tie-ups -- access to first-hand knowledge of the U.S. market for Japanese firms and help with product and/or process technology for American competitors -- are making joint ventures a more frequent occurrence. In 1985, for example, 14 of the majority-owned companies established by Japanese investors were partnerships. Most involved firms unknown outside their industry, but a few paired companies with familiar names, like Mitsubishi Motors Corp. and Chrysler Corp. or Toshiba and Westinghouse Electric Corp. Japanese corporations also teamed up with American companies in another six businesses by buying a majority interest.

Japan's Manufacturing Holdings in the United States: The New Count

At the end of 1985, Japanese corporate investors had a stake of 50 percent or more in 405 U.S. assembly or manufacturing companies, including 32 scheduled to go onstream later this year or in 1987. While small and medium-scale operations are the rule, an increasing number of firms qualify as big businesses, whether measured by sales, investment, employment or all three indicators. Ironically perhaps, the two biggest are joint ventures: National Steel Corp., which is half owned by Nippon Kokan K.K., and Alumax Inc., a partnership of Mitsui & Co., Ltd., Nippon Steel Corp. and AMAX Inc. This country's sixth-largest integrated steel producer with 1985 sales of $2.1 billion, National Steel employs 12,000 people at its three Midwestern mills. The sales and employment numbers for Alumax, one of the top three U.S. producers of primary aluminum and a leading maker of fabricated aluminum products, closely match these figures, but the company's workforce is scattered among 89 facilities in 29 states.

Other big ventures include the three Japanese automotive assembly plants currently in operation in the United States. Honda of America Manufacturing, Inc. is gearing up for production of 150,000 subcompact cars a year at its Ohio plant, which will continue to turn out the same number of compacts. This expansion is expected to add several hundred workers to the 2,300 already employed. Nissan Motor Manufacturing Corp. U.S.A. is also increasing output at its Tennessee factory, moving toward full-capacity production of 240,000 small pickup trucks and subcompact cars a year by the end of 1986 with 3,100 employees. For its part, New United Motor Manufacturing Inc., the California-based joint venture between Toyota Motor Corp. and General Motors Corp., has reached full operation, assembling 200,000 cars annually with a workforce of 2,500 for sale through Chevrolet dealers.

Some of the consumer electronics companies also number among the largest Japanese manufacturing operations in this country. Sony Manufacturing Corp. of America employs 1,600 at its San Diego, California color television plant, while the Alabama cassette tape factory operated by Sony Magnetic Products Inc.

has 1,300 workers. Two manufacturers of color televisions and microwave ovens -- Sanyo Manufacturing Corp. and Matsushita Industrial Co. -- are big concerns as well, with Arkansas-based Sanyo employing 1,800 and Matsushita 1,500 at its facility in the Chicago, Illinois suburbs. Rounding out the list of major investments are Kyocera International, Inc., which has 1,800 employees at three plants in San Diego, California that make ceramic packages for integrated circuits and electronic components, and newcomer New Hampshire Ball Bearings, which has over 1,900 people on its five-plant New Hampshire payroll.

The 405 U.S. assembly or manufacturing companies in which Japanese investors owned a majority stake at year-end 1985 had 583 plants in operation or under construction at that time. California was home to 153 plants, but it lost some ground last year in the stiff state competition for Japanese investment, adding just five, primarily small, new facilities plus six acquired ones. Five additional plants that boosted its total to 37 helped Georgia take the runner-up title away from Texas, which dropped to third place with 36 factories. New Jersey, the location of 31 plants, held on to the number-four position as four plants were built or acquired in the state. The same number of additions gave Illinois fifth place with 26 facilities. Michigan and Ohio moved up two slots as seven more plants in each state lifted their totals to Washington State's 23. There was also a three-way tie for seventh place -- 20 factories -- among New York, North Carolina and Pennsylvania. Trailing this trio were Tennessee (15) and Indiana (13), with Alaska, the site of 12 operations, occupying the tenth position.

While company and plant numbers give some idea of the magnitude of Japan's corporate stake in the U.S. manufacturing sector, employment figures are a more revealing indicator. The 373 majority-owned manufacturing concerns already in operation have close to 100,000 people on their payrolls. Another 10,800 or so jobs will be generated when plants now under construction go onstream, including 3,500 alone at Mazda Motor Manufacturing (USA) Corp.'s suburban Detroit, Michigan plant and 2,500 at the Illinois facility of Diamond-Star Motors Corp., the Mitsubishi Motors-Chrysler venture. Several thousand other jobs will open up as established manufacturers complete their current expansion programs. With Japanese investors also creating or maintaining jobs by taking minority positions in 30 U.S. manufacturing companies, it is safe to assume that 120,000 Americans will soon owe their jobs to Japanese-affiliated manufacturers in this country.

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The views expressed in this report are those of the author and do not necessarily represent those of the Japan Economic Institute.

JEI's Investment Survey

The Japan Economic Institute's study of U.S. manufacturing companies owned by or affiliated with Japanese investors was limited to firms that had plants in operation or under construction on December 31, 1985. This cut-off date eliminated a number of companies that had definite plans to build production facilities in the United States but had not broken ground by year end, as well as several acquisitions that had not been finalized.

The results of the 1985 update survey are contained in three appendices, which also include the information from the four previous updates. The main appendix gives, in alphabetical order, the full name of each U.S. manufacturing company owned wholly or in part by Japanese investors; the location of its plant or plants; the full name of what is known as the company's ultimate beneficial owner(s); the share of stock held by the owner(s); whether the company was a new investment or an acquisition; the company's major product line(s); the approximate or actual number of people employed by the company, if available; and when the company began production or, in the case of acquisitions, when the company was bought by Japanese investors. The second appendix presents a state-by-state listing of plant locations, while the third groups the products made in terms of four-digit Standard Industrial Classification codes.

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Appendix 1: Alphabetic Listing of U.S. Manufacturing Affiliates of Japanese Companies

Company	Plant Location	Parent	Share	New or Acquired	Product Line	Employees	Year Plant Opened or Acquired
•AMTEX Inc.	Manteca, CA	Hayashi Telempu Co., Ltd.	50%	New	Automotive floor mats, door trim/ other interior trim products	50*	1986*
		C.H. Masland & Sons	50				
•AP Technoglass Corp.	Bellefontaine, OH	Asahi Glass Co., Ltd.	80	New	Automotive safety glass	100*	1987*
		PPG Industries, Inc.	20				
ASTRONET Corp.	Lake Mary, FL	Mitsubishi Electric Corp.	25	New	Cellular mobile communications equipment	50	1984
		Mitsubishi Corp.	24				
		Plessey Co., PLC	51				
ATR Wire and Cable Co.	Danville, KY	Tokyo Rope Manufacturing Co., Ltd.	60	Acquired	Steel cord/bead wire for tires	680	1981
		Mitsubishi Corp.	20				
		C. Itoh & Co., Ltd.	20				
•Aderans & Alfieri Inc.	New York, NY	Aderans Ltd.	80	Acquired	Men's custom hairpieces	28	1985
•Airin Inc.	Los Angeles, CA	Airin Co., Ltd.	70	New	Rice crackers	15	1985
		Mitsui & Co., Ltd.	30				
•Alcoa Conductor Accessories Inc.	Spartanburg, SC	Fujikura Ltd.	20	New	Accessories for overhead transmission lines	100	1985
		Aluminum Co. of America	80				
•Alcoa Fujikura Ltd.	Spartanburg, SC	Fujikura Ltd.	49	New	Fiber-optic cables		1985
		Aluminum Co. of America	51				
Alerco and Hayward Steel, Inc.	Hayward, CA	Kawasho Corp.	100	Acquired	Sheet-metal ducts	80	1979
•Alerco and Hayward Steel, Inc.	Union City, CA	Kawasho Corp.	100	Acquired	Sheet-metal ducts, fabricated plate work		1985
Alloy Tool Steel Inc.	Santa Fe Springs, CA	Nissho Iwai Corp.	55	New	Steel processing	30	1974
		Nippon Koshuha Steel Co., Ltd.	35				
Alloy Tool Steel of Texas Inc.	Hutchins, TX	Nissho Iwai Corp.	28	New	Steel processing	5	1981
		Nippon Koshuha Steel Co., Ltd.	18				
Alpha Biochemical Corp.	Richland, WA	Kanegafuchi Chemical Industry Co., Ltd.	100	New	Binder for fish feed	20	1982
Alpine Electronics of America, Inc.	Torrance, CA	Alps Electric Co., Ltd.	100	New	Automotive audio equipment	15	1984
•Alps Electric (U.S.A.), Inc.	Garden Grove, CA	Alps Electric Co., Ltd.	100	Acquired	Computer keyboards, mouse input devices	125	1985
Alumax Inc.		Mitsui & Co., Ltd.	45	Acquired			1974
		Nippon Steel Corp.	5				
		AMAX Inc.	50				
Alumax Aluminum Corp.	Hawesville, KY	Alumax Inc.	100	Acquired	Aluminum sheet	n.a.	1983
Alumax Aluminum Corp.	Lancaster, PA	Alumax Inc.	100	Acquired	Aluminum sheet	n.a.	1983
Alumax Extrusions, Inc.	Catawaba, NC	Alumax Inc.	100	New	Aluminum extruded shapes	n.a.	1981
Alumax Extrusions, Inc.	Rockwall, TX	Alumax Inc.	100	Acquired	Secondary aluminum billet	n.a.	1983
Alumax Extrusions, Inc.	Rockwall, TX	Alumax Inc.	100	Acquired	Aluminum extruded shapes	n.a.	1983
Alumax Fabricated Products, Inc.	Anaheim, CA	Alumax Inc.	100	Acquired	Aluminum products for housing aftermarket	n.a.	1981
Alumax Fabricated Products, Inc.	Sacramento, CA	Alumax Inc.	100	Acquired	Aluminum products for housing aftermarket	n.a.	1981
Alumax Fabricated Products, Inc.	Alma, GA	Alumax Inc.	100	Acquired	Aluminum products for housing aftermarket/mobile homes	n.a.	1984

Company	Plant Location	Parent	Share	New or Acquired	Product Line	Employees	Year Plant Opened or Acquired
Alumax Fabricated Products, Inc.	Tifton, GA	Alumax Inc.	100	Acquired	Aluminum products for mobile homes/ recreational vehicles	n.a.	1983
Alumax Fabricated Products, Inc.	Elkhart, IN	Alumax Inc.	100	Acquired	Aluminum products for housing aftermarket/mobile homes	n.a	1984
Alumax Fabricated Products, Inc.	Leola, PA	Alumax Inc.	100	Acquired	Aluminum products for mobile homes/ recreational vehicles	n.a.	1983
Alumax Fabricated Products, Inc.	Clarkesville, TX	Alumax Inc.	100	Acquired	Aluminum products for housing aftermarket/mobile homes	n.a.	1984
Alumax Mill Products, Inc.	Texarkana, TX	Alumax Inc.	100	New	Recycled aluminum scrap	n.a.	1986*
Alumax Mill Products, Inc.	Texarkana, TX	Alumax Inc.	100	New	Aluminum container sheet	n.a.	1986*
Home and Specialty Products Group	Magnolia, AR	Alumax Inc.	100	Acquired	Aluminum spectator seating, scaffolding, bath enclosures/ ceiling grid systems	n.a.	1983
Home and Specialty Products Group	Hayward, CA	Alumax Inc.	100	Acquired	Aluminum bath enclosures	n.a.	1983
Home and Specialty Products Group	Tampa, FL	Alumax Inc.	100	Acquired	Aluminum bath enclosures	n.a.	1983
Home and Specialty Products Group	Stone Mountain, GA	Alumax Inc.	100	Acquired	Aluminum bath enclosures	n.a.	1983
Home and Specialty Products Group	Dallas, TX	Alumax Inc.	100	Acquired	Aluminum bath enclosures	n.a.	1983
Home and Specialty Products Group	Sacramento, CA	Alumax Inc.	100	Acquired	Aluminum rain-carrying components other building products	n.a.	1983
Home and Specialty Products Group	Tucker, GA	Alumax Inc.	100	Acquired	Aluminum rain-carrying components other building products	n.a.	1983
Home and Specialty Products Group	Lancaster, PA	Alumax Inc.	100	Acquired	Aluminum rain-carrying components other building products	n.a.	1983
Home and Specialty Products Group	Grand Prairie, TX	Alumax Inc.	100	Acquired	Aluminum rain-carrying components other building products	n.a.	1983
Home and Specialty Products Group	Cerritos, CA	Alumax Inc.	100	Acquired	Aluminum products for housing aftermarket	n.a.	1983
Home and Specialty Products Group	Fremont, CA	Alumax Inc.	100	Acquired	Aluminum products for housing aftermarket	n.a.	1983
Home and Specialty Products Group	Lithonia, GA	Alumax Inc.	100	Acquired	Aluminum products for housing aftermarket	n.a.	1983
Home and Specialty Products Group	Bedford Park, IL	Alumax Inc.	100	Acquired	Aluminum products for housing aftermarket, aluminum rain-carrying components/other building products	n.a.	1983
Home and Specialty Products Group	Kansas City, MO	Alumax Inc.	100	Acquired	Aluminum products for housing aftermarket	n.a.	1983
Home and Specialty Products Group	Harrisburg, PA	Alumax Inc.	100	Acquired	Aluminum products for housing aftermarket	n.a.	1983
Home and Specialty Products Group	Leola, PA	Alumax Inc.	100	Acquired	Aluminum products for housing aftermarket	n.a.	1983
Home and Specialty Products Group	Mesquite, TX	Alumax Inc.	100	Acquired	Aluminum products for housing aftermarket	n.a.	1983
Kawneer Co., Inc.	Springdale, AR	Alumax Inc.	100	New	Architectural aluminum products	n.a.	1981
Kawneer Co., Inc.	Aurora, CO	Alumax Inc.	100	New	Architectural aluminum products	n.a.	1983
•Kawneer Co., Inc.	Boonsburg, NC	Alumax Inc.	100	New	Architectural aluminum products	n.a.	1985
Kawneer Co., Inc.	Houston, TX	Alumax Inc.	100	New	Architectural aluminum products	n.a.	1982

Company	Plant Location	Parent	Share	New or Acquired	Product Line	Employees	Year Plant Opened or Acquired
Prime Metals Division	Atlanta, GA	Alumax Inc.	100	Acquired	Aluminum/copper/steel processing	n.a.	1983
Prime Metals Division	Fraser, MI	Alumax Inc.	100	Acquired	Aluminum/copper/steel processing	n.a.	1983
Prime Metals Division	Grand Rapids, MI	Alumax Inc.	100	Acquired	Aluminum/copper/steel processing	n.a.	1983
Prime Metals Division	Kansas City, MO	Alumax Inc.	100	Acquired	Aluminum/copper/steel processing	n.a.	1983
Prime Metals Division	Brecksville, OH	Alumax Inc.	100	Acquired	Aluminum/copper/steel processing	n.a.	1983
Prime Metals Division	Mesquite, TX	Alumax Inc.	100	Acquired	Aluminum/copper/steel processing	n.a.	1983
Amano-International Enzyme Co., Inc.	Troy, VA	Amano Pharmaceutical Co., Ltd.	100	New	Enzymes	10	1981
American Foods Corp.	Rancho Cucamonga, CA	Nakano Vinegar Co., Ltd.	100	New	Vinegar		1984
American Foods Corp.	San Francisco, CA	Nakano Vinegar Co., Ltd.	100	Acquired	Vinegar, cooking wines, sauces	75	1981
American Foods Corp.	Watsonville, CA	Nakano Vinegar Co., Ltd.	100	Acquired	Vinegar		1981
•American Fuji Seal, Inc.	Fairfield, NJ	Fuji Seal Industry Co., Ltd.	100	New	Heat-shrink labels, rotogravure cylinders	n.a.	1985
•American Yazaki Corp.	Canton, MI	Yazaki Corp.	100	New	Automotive wire harnesses	150	1986
Amitech Inc.	Marietta, GA	Mitsui & Co., Ltd.	50	New	Plastic parts for electronics industry/medical uses	65	1981
		Nypro Inc.	50				
Amsnack, Inc.	Stockton, CA	Chuoken Senbei Inc.	100	New	Rice crackers	18	1981
Ando Screen Inc.	North Canton, OH	Ando Screen Co., Ltd.	100	New	Screening equipment for liquid-solid separation	15	1985
•K.N. Aronson Inc.	Arcade, NY	Koike Sanso Kogyo Co., Ltd.	67	Acquired	Welding positioners, gas-cutting equipment	163	1985
		Nippon Sanso K.K.	33				
•Atari Games Corp.	Milpitas, CA	Namco K.K.	Majority share	Acquired	Coin-operated video game machines	170	1985
		Warner Communications Inc.	Minority share				
•Barudan America Inc.	Cleveland, OH	Barudan Co., Ltd.	100	Acquired	Monogramming/embroidery machinery	15	1985
Bellemar Parts Industries Inc.	Marysville, OH	Honda Motor Co., Ltd.	80	New	Automotive/motorcycle seats, wheels	170	1982
		Sankei Giken Kogyo Co., Ltd.	10				
		Tokyo Seat Co., Ltd.	10				
Bellemar Parts Industries Inc.	Russells Point, OH	Honda Motor Co., Ltd.	80	New	Automotive exhaust systems, catalytic converters, brake lines, door sashes, seat frames	140	1985
		Sankei Giken Kogyo Co., Ltd.	10				
		Tokyo Seat Co., Ltd.	10				
•Belletech Corp.	Bellefontaine, OH	Asahi Glass Co., Ltd.	60	New	Automotive glass fittings	70*	1986*
		Takahashi Glass Industry Co., Ltd.	20				
		PPG Industries, Inc.	20				
Bering Sea Fisheries, Inc.	Mouth of Yukon, AK	Marubeni Corp.	25	Acquired	Frozen fish	40	1972
•Berwick Steel Co.	Columbus, OH	Nissho Iwai Corp.	100	Acquired	Steel processing	90	1985
Bio Kyowa Inc.	Cape Girardeau, MO	Kyowa Hakko Kogyo Co., Ltd.	100	New	Lysine (feedstuff amino acid additive)	74	1984
•Bleim Steel Co.	Toledo, OH	Marubeni Corp.	100	Acquired	Steel processing	55	1985
Bridgestone (USA) Inc.	LaVergne, TN	Bridgestone Corp.	100	Acquired	Radial truck/bus tires	1,100	1982
Bunmeido of Hawaii Ltd.	Honolulu, HI	Bunmeido Confectionery Co., Ltd.	100	New	Bakery products	8	1965
•CKR Industries, Inc.	Winchester, TN	Kinugawa Rubber Industrial Co., Ltd.	40	New	Automotive extruded rubber products	115*	1986*
		Chardon Rubber Co.	60				

Company	Plant Location	Parent	Share	New or Acquired	Product Line	Employees	Year Plant Opened or Acquired
•C&M Fine Pack Inc.	San Bernardino, CA	Chuo Kagaku Co., Ltd. Watanabe Kosan Co., Ltd. Mitsubishi Corp.	40 20 40	New	Plastic containers	150*	1986*
California Steel Industries Inc.	Fontana, CA	Kawasaki Steel Corp. Cia Vale do Rio Doce S.A.	25 25	Acquired	Hot-rolled, cold-rolled/galvanized steel sheets/coils, hot-rolled steel plates	725	1984
Calsonic Manufacturing Corp.	Shelbyville, TN	Nihon Radiator Co., Ltd.	100	New	Automotive air conditioners, exhaust assemblies	200	1985
•Canon Virginia Inc.	Newport News, VA	Canon Inc.	100	New	Copiers	100*	1987*
Cast Forge Co.	Howell, MI	Nippon Light Metal Co., Ltd. Kelsey-Hayes Co.	20 80	Acquired	Aluminum wheels/other die-cast automotive parts	100	1982
Chateau St. Jean	Kenwood, CA	Suntory Ltd.	100	Acquired	Wine	100	1984
Chickasha Cotton Oil Co.	Casa Grande, AZ	Toyo Menka Kaisha, Ltd.	100	Acquired	Cottonseed oil	1,000	1981
Chickasha Cotton Oil Co.	Clinton, OK	Toyo Menka Kaisha, Ltd.	100	Acquired	Cottonseed oil		1981
Chickasha Cotton Oil Co.	Harlingen, TX	Toyo Menka Kaisha, Ltd.	100	Acquired	Cottonseed oil		1981
Chickasha Cotton Oil Co.	Lamesa, TX	Toyo Menka Kaisha, Ltd.	100	Acquired	Cottonseed oil		1981
Clarion Corp. of America	Nashville, TN	Clarion Co., Ltd.	100	New	Automotive audio equipment	3	1982
Coca-Cola Bottling Co.	Salem, NH	Kirin Brewery Co., Ltd.	100	Acquired	Soft drinks	215	1982
CoilPlus, Inc.	Athens, AL	Mitsubishi Corp.	100	New	Steel processing	50	1985
Concise Casting Corp.	Hayward, CA	Hitachi Metals, Ltd.	100	Acquired	Aluminum castings	95	1981
Cryodynamics Co.-Ebara Group	Sacramento, CA	Ebara Corp.	70	New	Pumps for low-temperature liquids	30	1984
Curtis-Maruyasu America, Inc.	Tracy, CA	Maruyasu Industries Co., Ltd. Curtis Products, Inc.	50 50	New	Automotive fuel line/hydraulic brake assemblies	25	1985
Daiichiya Love's Bakery Inc.	Honolulu, HI	Daiichiya Baking Co., Ltd.	100	Acquired	Bakery products	240	1981
Dainippon Screen Engineering of America Inc.	Santa Ana, CA	Dainippon Screen Mfg. Co., Ltd.	100	New	Electronic page makeup systems/color scanners for graphic arts industry	20	1984
Daiwa Golf Co.	Gardena, CA	Daiwa Seiko, Inc.	100	New	Golf clubs	20	1981
Data Ray Corp.	Boulder, CO	Nippon Chemi-Con Corp.	75	Acquired	CRT display modules	50	1983
Diamond Plastics Corp.	Grand Island, NE	Mitsubishi Corp.	100	Acquired	Polyvinyl chloride pipes	115	1982
Diamond Plastics Corp.	Lubbock, TX	Mitsubishi Corp.	100	Acquired	Polyvinyl chloride pipes		1982
•Diamond-Star Motors Corp.	Bloomington-Normal, IL	Mitsubishi Motors Corp. Chrysler Corp.	50 50	New	Cars, automotive body stampings, automotive molded plastics parts	2,500*	1988*
Digital Audio Disc Corp.	Terre Haute, IN	Sony Corp.	100	New	Digital audio discs	300	1984
Dutch Harbor Seafoods Co., Inc.	Dutch Harbor, AK	Nippon Suisan Kaisha Ltd.	25	New	Frozen fish	200	1976
•EVAL Co. of America	Pasadena, TX	Kuraray Co., Ltd. Norchem Inc.	50 50	New	Ethylene vinyl alcohol copolymer resins	50*	1986*
Economic Salon, Ltd.	New York, NY	Keizai Salon Co., Ltd.	100	New	Periodicals publishing	10	1971
•Electro-Plasma, Inc.	Irvine, CA	Nippon Steel Corp.	75	Acquired	Plasma spray equipment	35	1985
•Enkenei America Inc.	Columbus, IN	Enshu Keigokin Co., Ltd. Mitsubishi Corp.	60 40	New	Aluminum automotive wheels	80*	1986*
Enway Inc.	Clackamas, OR	Restaurant Skylark Co., Ltd.	51	New	Frozen potato products	10	1982
•Epson Portland Inc.	Hillsboro, OR	Seiko Epson Corp.	100	New	Computer printers	170*	1986*
FEC Inc.	Madison Heights, MI	Dai-Ichi Dentsu Co., Ltd.	100	New	Electronic fastening systems	25	1983
First Metals, Inc.	Houston, TX	Toyo Menka Kaisha, Ltd.	100	New	Steel processing	22	1978

Company	Plant Location	Parent	Share	New or Acquired	Product Line	Employees	Year Plant Opened or Acquired
Fuji Cone Inc.	Clinton, NC	Fuji Cone Works Ltd. International Jensen Inc.	50 50	New	Paper cones for stereo speakers	85	1981
Fuji Foods Inc.	Browns Summit, NC	Fuji Foods Corp.	100	New	Beef/chicken extracts for soup stocks	16	1983
Fuji Koki America Inc.	Dallas, TX	Fuji Koki Mfg. Co., Ltd.	100	New	Expansion valves for automotive air conditioning systems	32	1982
Fujitec Industries, Inc.	Lebanon, OH	Fujitec Co., Ltd.	100	New	Elevators, escalators	100	1983
Fujitsu America, Inc.	Palm Bay, FL	Fujitsu, Ltd.	100	New	Cable assemblies, power supply units/related components for computers/peripheral equipment	50	1981
•Fujitsu America, Inc.	Hillsboro, OR	Fujitsu, Ltd.	100	New	Computer disk drives	400*	1986*
Fujitsu America, Inc.	Richardson, TX	Fujitsu, Ltd.	100	New	Cellular mobile/fiber-optic communications equipment, multiplexers, microwave radios	150	1984
•GMF Robotics Corp.	Rochester Hills, MI	Fanuc Ltd. General Motors Corp.	50 50	New	Robotic systems	800*	1986*
•Great Land Seafoods Inc.	Dutch Harbor, AK	Nippon Suisan Kaisha Ltd.	100	New	Surimi (boiled fish paste)	130	1986
•Great Western Silicon Corp.	Chandler, AZ	Nippon Kokan K.K.	100	Acquired	Polycrystalline silicon	44	1985
Heartland Lysine, Inc.	Eddyville, IA	Ajinomoto Co., Inc. Orsan S.A.	50 50	New	Lysine (feedstuff amino acid additive)	50*	1986*
Hemlock Semiconductor Corp.	Hemlock, MI	Shin-Etsu Handotai Co., Ltd. Mitsubishi Metal Corp. Dow Corning Corp.	24.5 12.25 63.25	Acquired	Polycrystalline silicon	225	1984
High Voltage Breakers, Inc.	Norcross, GA	Hitachi, Ltd. General Electric Co.	67 33	New	Circuit breakers for power plants/ transmission lines	15	1982
Hirose Electric (U.S.A.), Inc.	Chatsworth, CA	Hirose Electric Co., Ltd.	100	New	Connectors	2	1985
•Hishi Plastics U.S.A., Inc.	Lincoln Park, NJ	Mitsubishi Plastics Industries Ltd. Mitsubishi Corp.	51 49	New	Polyvinyl chloride heat-shrinkable tubing	20	1985
•Hitachi Automotive Products (USA) Inc.	Harrodsburg, KY	Hitachi, Ltd.	100	New	Ignition coils/electronic automotive components	50*	1986*
Hitachi Chemical Co. America, Inc.	Tucker, GA	Hitachi Chemical Co., Ltd.	100	New	Multiwire boards	60	1985
•Hitachi Computer Products (America) Inc.	Norman, OK	Hitachi, Ltd.	100	New	Computer disk drives	100*	1987*
Hitachi Consumer Products of America Inc.	Anaheim, CA	Hitachi, Ltd.	100	New	Color television sets	400	1982
Hi-Tek Corp.	Garden Grove, CA	Minebea Co., Ltd.	100	Acquired	Computer keyboards	130	1983
Honda of America Manufacturing, Inc.	Anna, OH	Honda Motor Co., Ltd.	100	New	Motorcycle engines	100	1985
Honda Power Equipment Manufacturing Inc.	Swepsonville, NC	Honda Motor Co., Ltd.	100	New	Lawnmowers	100	1984
Honma Golf, Inc.	Honolulu, HI	Honma Corp.	100	New	Golf clubs	36	1978
•Hoshizaki America, Inc.	Peachtree City, GA	Hoshizaki Electric Co., Ltd.	100	New	Ice machines	80*	1987*
House Foods and Yamauchi Inc.	Los Angeles, CA	House Food Industrial Co., Ltd.	50	Acquired	Tofu/related soybean products	40	1983

Company	Plant Location	Parent	Share	New or Acquired	Product Line	Employees	Year Plant Opened or Acquired
•IB Chemical Co.	Mobile, AL	Mitsubishi Chemical Industries, Ltd.	35	New	Slow-release nitrogen fertilizers	25	1985
		Mitsubishi Corp.	15				
		Virginia Chemicals Inc.	50				
IDEC Systems & Controls Corp.	Santa Clara, CA	Izumi Denki Corp.	100	New	Relays, sockets, switches/other electrical industrial components	70	1975
IKS American Corp.	Gardena, CA	Izumoto Seiko Co., Ltd.	100	New	Ball bearings	18	1974
•IMC Magnetics Corp.	Miami Lakes, FL	Minebea Co., Ltd.	100	Acquired	Power supplies for computers/ other equipment	220	1985
International Leadframe Corp.	Sunnyvale, CA	Mitsui Mfg. Co., Ltd.	100	New	Lead frames for integrated circuits	21	1980
International Light Metals Corp.	Torrance, CA	Nippon Kokan K.K.	40	Acquired	Aluminum/titanium bars, extrusions/ forgings	1,750	1985
		Martin Marietta Corp.	60				
International Titanium Inc.	Moses Lake, WA	Mitsui & Co., Ltd.	22.55	New	Titanium sponge	192	1982
		Wyman-Gordon Co.	77.45				
•Isuzu Truck of America Inc.	Russellville, KY	Isuzu Motors, Ltd.	80	New	Bus chassis	50*	1987*
		C. Itoh & Co., Ltd.	20				
•C. Itoh Steel Inc.	Winchester, KY	C. Itoh & Co., Ltd.	100	New	Steel processing	20*	1986*
Iwatsu America Inc.	Carlstadt, NJ	Iwatsu Electric Co., Ltd.	100	New	Key telephone systems, push-button telephones	n.a.	1984
Japan Aircraft Maintenance (America), Inc.	Mukilteo, WA	New Japan Aircraft Maintenance Co., Ltd.	100	New	Aircraft interior equipment	5	1982
KTH Parts Industries Inc.	St. Paris, OH	Kikuchi Press Kogyo Co., Ltd. Takao Kinzoku Kogyo Co., Ltd. Hirata Press Kogyo Co., Ltd. Hongo Seisakusho Co., Ltd.	100	New	Automotive stamped/welded internal structural components	100	1985
Kaga USA Inc.	Fountain Valley, CA	Kaga Tsushin Kogyo Co., Ltd.	100	New	Lead frames/other metal parts for integrated circuits	10	1982
Kameyama U.S.A. Inc.	Fall River, MA	MAS Co., Ltd.	Majority share	New	Candles	15	1985
Kaneka Texas Corp.	Bayport, TX	Kanegafuchi Chemical Industry Co., Ltd.	100	New	Methyl methacrylate-butadiene-styrene resins	80	1984
Kantus Corp.	Lewisburg, TN	Kanto Seiki Co., Ltd.	100	New	Automotive plastic instrument panels, radiator grilles, console/ glove boxes, bumpers/splash guards	150	1985
Kato Spring Inc.	Huntington Beach, CA	Kato Spring Works Co., Ltd.	100	New	Precision springs	10	1983
Kato Spring of Georgia Inc.	Norcross, GA	Kato Spring Works Co., Ltd.	100	New	Precision springs	8	1982
•Kawasaki and Nissho Iwai Partnership	Yonkers, NY	Kawasaki Heavy Industries, Ltd.	50	New	Subway cars	120	1986
		Nissho Iwai Corp.	50				
•Kawasaki Thermal Systems, Inc.	Tacoma, WA	Kawasaki Steel Corp.	75	Acquired	Insulated oilfield pipe	35	1985
		General Electric Co.	25				
Kel-Am, Inc.	Eldon, MO	Kel Corp.	100	New	Connectors	85	1978
•Kentwood Spring Water Inc.	New Orleans, LA	Suntory Ltd.	100	Acquired	Bottled water	100	1985
Kibun Corp. of North Carolina	Raleigh, NC	Kibun Co., Ltd.	100	New	Frozen imitation crab products	16	1984
Kibun Corp. of Washington	Redmond, WA	Kibun Co., Ltd.	100	New	Frozen imitation crab products	44	1983
Kikusui International Corp.	Gardena, CA	Kikusui Electronics Corp.	100	New	Oscilloscopes	20	1983

Company	Plant Location	Parent	Share	New or Acquired	Product Line	Employees	Year Plant Opened or Acquired
•Koltron Corp.	Sunnyvale, CA	Nippon Mining Co., Ltd.	37	Acquired	Lead frames for integrated circuits	165	1985
•Komatsu America Manufa turing Corp.	Chattanooga, TN	Komatsu Ltd.	100	New	Construction/mining equipment	250*	1986*
Kubota Tractor Corp.	Norcross, GA	Kubota, Ltd.	100	New	Farm tractors	6	1984
•Kuy Manufacturing Co.	Detroit, MI	Mitsubishi Corp.	100	Acquired	Self-adhesive lettering/decals for motor vehicles/industrial equipment	350	1985
Kyocera Northwest Inc.	Vancouver, WA	Kyocera Corp.	100	New	Ceramic capacitors	100	1985
•L-S Electro-Galvanizing Co.	Cleveland, OH	Sumitomo Metal Industries, Ltd.	40	New	Galvanized steel sheets	70	1986
		LTV Corp.	60				
Lafayette Metal Service Corp.	Long Beach, CA	C. Itoh & Co., Ltd.	81	Acquired	Steel processing	70	1982
		Nuova Italsider S.p.A.	19				
LeBlond Makino Machine Tool Co.	Cincinnati, OH	Makino Milling Machine Co., Ltd.	51	Acquired	Numerically controlled lathes, machining centers, numerical controls	455	1981
		LeBlond Inc.	49				
LyphoMed Inc.	Melrose Park, IL	Fujisawa Pharmaceutical Co., Ltd.	22.5	Acquired	Injectable drugs	425	1985
MCI Optinix Inc.	Morristown, NJ	Mitsubishi Chemical Industries, Ltd.	100	Acquired	X-ray intensifying screens for medical use	15	1981
Machine Specialties Co.	Lincoln, RI	Bando Chemical Industries, Ltd.	100	Acquired	Pulleys	30	1979
•Makita Corp. of America	Buford, GA	Makita Electric Works, Ltd.	100	New	Cordless drills	40	1985
Maruhachi Ceramics of America	Corona, CA	Maruhachi Ceramics Co., Ltd.	100	New	Roofing tiles	30	1985
Master-Halco, Inc.	La Habra, CA	C. Itoh & Co., Ltd.	100	Acquired	Fittings for metal fencing	300	1977
Master-Halco, Inc.	Dallas, TX	C. Itoh & Co., Ltd.	100	Acquired	Chain link	200	1980
Matheson Gas Products Inc.	Cucamonga, CA	Nippon Sanso K.K.	50	Acquired	Specialty gases, specialty gas handling equipment		1983
		UGI Corp.	50				
Matheson Gas Products Inc.	Newark, CA	Nippon Sanso K.K.	50	Acquired	Specialty gases, specialty gas handling equipment		1983
		UGI Corp.	50				
Matheson Gas Products Inc.	Morrow, GA	Nippon Sanso K.K.	50	Acquired	Specialty gases, specialty gas handling equipment		1983
		UGI Corp.	50				
Matheson Gas Products Inc.	Joliet, IL	Nippon Sanso K.K.	50	Acquired	Specialty gases, specialty gas handling equipment		1983
		UGI Corp.	50				
Matheson Gas Products Inc.	Gonzales, LA	Nippon Sanso K.K.	50	Acquired	Specialty gases, specialty gas handling equipment	400	1983
		UGI Corp.	50				
Matheson Gas Products Inc.	Gloucester, MA	Nippon Sanso K.K.	50	Acquired	Specialty gases, specialty gas handling equipment		1983
		UGI Corp.	50				
Matheson Gas Products Inc.	E. Rutherford, NJ	Nippon Sanso K.K.	50	Acquired	Specialty gases, specialty gas handling equipment		1983
		UGI Corp.	50				
Matheson Gas Products Inc.	Twinsburg, OH	Nippon Sanso K.K.	50	Acquired	Specialty gases, specialty gas handling equipment		1983
		UGI Corp.	50				
Matheson Gas Products Inc.	La Porte, TX	Nippon Sanso K.K.	50	Acquired	Specialty gases, specialty gas handling equipment		1983
		UGI Corp.	50				
Matsushita Communication Co.	Franklin Park, IL	Matsushita Communication Industrial Co., Ltd.	100	New	Cellular mobile communications equipment	24	1984
Matsushita Electric of Puerto Rico, Inc.	Caguas, PR	Matsushita Electric Industrial Co., Ltd.	100	New	Stereo speakers, record changers, speaker boxes, motors for phonographs/audio equipment, mobile paging devices	560	1965

Company	Plant Location	Parent	Share	New or Acquired	Product Line	Employees	Year Plant Opened or Acquired
•Mazda Motor Manufacturing (USA) Corp.	Flat Rock, MI	Mazda Motor Corp.	100	New	Cars, automotive body stampings, automotive molded plastic parts	3,500*	1987*
Megatool Inc.	Buena Park, CA	Union Tool Co., Ltd.	51	New	Carbide drills	17	1982
Memorex DIC Corp.	Santa Clara, CA	Dainippon Ink & Chemicals Inc. Burroughs Corp.	43 57	Acquired	Toner/developer for copiers, duplicators/printers	35	1981
•Menardi-Southern Corp.	Torrance, CA	Hosokawa Micron Corp.	100	Acquired	Fabric filter media for pollution control, product recovery, straining/separation, filter bags, filter cloths		1985
•Menardi-Southern Corp.	Augusta, GA	Hosokawa Micron Corp.	100	Acquired	Fabric filter media for pollution control, product recovery, straining/separation, filter bags, filter cloths	227	1985
•Menardi-Southern Corp.	Houston, TX	Hosokawa Micron Corp.	100	Acquired	Fabric filter media for pollution control, product recovery, straining/separation, filter bags, filter cloths		1985
Metco America Inc.	Axis, AL	Mitsubishi Rayon Co., Ltd. M&T Chemicals Inc.	Minority share Majority share	New	Impact modifiers for plastics industry	60	1985
•Mikropul Corp.	Summit, NJ	Hosokawa Micron Corp.	100	Acquired	Dust collection equipment, electrostatic precipitators, particle-size reduction equipment	186	1985
•Mitsubishi Consumer Electronics America, Inc.	Braselton, GA	Mitsubishi Electric Corp.	100	New	Cellular mobile communications equipment, color television sets	240*	1986*
Mitsubishi Foods Inc.	Ponce, PR	Mitsubishi Corp.	100	Acquired	Canned fish	850	1981
Mitsubishi Semiconductor America Inc.	Durham, NC	Mitsubishi Electric Corp.	100	New	Integrated circuits	250	1985
Mitutoyo Corp.	City of Industry, CA	Mitutoyo Mfg. Co., Ltd.	100	New	Calipers, micrometers	30	1979
Mizuno Golf Co.	Norcross, GA	Mizuno Corp.	100	New	Golf clubs	10	1985
•Mori Seiki U.S.A. Inc.	Irving, TX	Mori Seiki Co., Ltd.	100	New	Numerically controlled lathes, machining centers	30*	1986*
Musashi USA Inc.	Battle Creek, MI	Musashi Precision Industry Co., Ltd.	100	New	Automotive arm bushing/joint assemblies	5	1985
•NBK Corp.	Santa Clara, CA	Kawasaki Steel Corp.	100	Acquired	Silicon wafers	104	1985
NEC America, Inc.	Hawthorne, CA	NEC Corp.	100	New	Cellular mobile communications equipment, mobile paging devices	120	1975
NEC America, Inc.	Hillsboro, OR	NEC Corp.	100	New	Fiber-optic transmission systems, cellular mobile communications equipment/other telecommunications products	150	1985
NEC Electronics U.S.A. Inc.	Roseville, CA	NEC Corp.	100	New	Integrated circuits	500	1984
NEC Home Electronics (U.S.A.) Inc.	McDonough, GA	NEC Corp.	100	New	Color television sets	200	1985
NEC Information Systems Inc.	Boxborough, MA	NEC Corp.	100	New	Computers, computer printers	425	1983

Company	Plant Location	Parent	Share	New or Acquired	Product Line	Employees	Year Plant Opened or Acquired
NKK Switches of America, Inc.	Scottsdale, AZ	Nihon Kaiheiki Industries Co., Ltd.	Majority share	New	Electric/electronic switches	10	1983
NSG America Inc.	Somerset, NJ	Nippon Sheet Glass Co., Ltd.	100	New	Fiber-optic lens	11	1985
•NTN-Bower Corp.	Hamilton, AL	NTN Toyo Bearing Co., Ltd. Federal-Mogul Corp.	60 40	Acquired	Tapered roller bearings	1,000	1985
•NTN-Bower Corp.	Macomb, IL	NTN Toyo Bearing Co., Ltd. Federal-Mogul Corp.	60 40	Acquired	Tapered/cylindrical roller bearings		1985
National Steel Corp.	Granite City, IL	Nippon Kokan K.K. National Intergroup Inc.	50 50	Acquired	Steel slabs/hot-rolled, cold-rolled/coated steel sheets	12,000	1984
National Steel Corp.	Portage, IN	Nippon Kokan K.K. National Intergroup Inc.	50 50	Acquired	Cold-rolled, coated/tin-plate steel sheets		1984
National Steel Corp.	Ecorse, MI	Nippon Kokan K.K. National Intergroup Inc.	50 50	Acquired	Steel slabs/hot-rolled, cold-rolled/galvanized steel sheets		1984
Neaton Auto Products Manufacturing Inc.	Eaton, OH	Nihon Plast Co., Ltd.	100	New	Automotive steering wheels	100	1985
Neptune Packing Corp.	Mayaquez, PR	Mitsui & Co., Ltd.	100	Acquired	Canned fish	550	1974
•New Hampshire Ball Bearings Inc.	Jaffrey, NH	Minebea Co., Ltd.	100	Acquired	Ball bearings	200	1985
•New Hampshire Ball Bearings Inc.	Jaffrey, NH	Minebea Co., Ltd.	100	New	Prototype bearings	50*	1986*
•New Hampshire Ball Bearings Inc., Astro Division	Laconia, NH	Minebea Co., Ltd.	100	Acquired	Rod-end bearings	400	1985
•New Hampshire Ball Bearings Inc., Scotia Division	Laconia, NH	Minebea Co., Ltd.	100	Acquired	Component parts	100	1985
•New Hampshire Ball Bearings Inc.	Peterborough, NH	Minebea Co., Ltd.	100	Acquired	Ball bearings	1,200	1985
New United Motor Manufacturing Inc.	Fremont, CA	Toyota Motor Corp. General Motors Corp.	50 50	New	Cars, automotive body stampings	2,500	1984
Nichimo Northwest, Inc.	Everson, WA	Nichimo Co., Ltd. Northwest Net & Twine, Inc.	70 30	New	Gill nets	20	1982
Nidec Torin Corp.	Torrington, CT	Nippon Densan Corp.	100	Acquired	Small horsepower fans for computer motors	200	1984
Nidek Inc.	Palo Alto, CA	Nidek Co., Ltd.	100	New	Auto-refractometers, photocoagulators/other ophthalmologic instruments	4	1983
Niitakaya USA Inc.	Los Angeles, CA	Niitakaya Co., Ltd.	100	Acquired	Pickles	10	1983
Nikko Wolverine Inc.	Dearborn Heights, MI	Nippon Mining Co., Ltd. C. Itoh & Co., Ltd. UOP Inc.	51 29 20	Acquired	Titanium/zirconium tubes/pipe	60	1981
Nintendo of America, Inc.	Seattle, WA	Nintendo Co., Ltd.	100	New	Video game machines	50	1982
Nippondenso Manufacturing U.S.A. Inc.	Battle Creek, MI	Nippondenso Co., Ltd.	100	New	Automotive windshield washers/heaters	55	1983
•Nippondenso Manufacturing U.S.A. Inc.	Battle Creek, MI	Nippondenso Co., Ltd.	100	New	Heat exchangers, evaporators/condensers for automotive air conditioners	400*	1986*
Nisco Steel Services Inc.	Memphis, TN	Nissho Iwai Corp.	100	New	Steel processing	46	1984
Nisshin Gulf Coast Inc.	Houston, TX	Nisshin Chemical Industry Co., Ltd. EGC Corp.	50 50	New	Custom fluoropolymer linings for corrosion resistance	n.a.	1984

Company	Plant Location	Parent	Share	New or Acquired	Product Line	Employees	Year Plant Opened or Acquired
Nitto Denko America, Inc.	Santa Clara, CA	Nitto Electric Industrial Co., Ltd.	100	New	Membrane modules for recovery of electro-deposited paint	1	1984
North American Brine Resources	Kingfisher County, OK (three sites)	United Resources Industry Co., Ltd.	50	New	Iodine	3	1982
		Mitsui & Co., Ltd.	10				
		Beard Oil Co.	40				
North American Lighting, Inc.	Flora, IL	Koito Manufacturing Co., Ltd.	39	New	Automotive lighting equipment	33	1983
		Ichikoh Industries Ltd.	10				
		Westfalische Metal Industrie AG	51				
North Pacific Processors Inc.	Cordova, AK	Marubeni Corp.	100	New	Canned/frozen fish		1972
North Pacific Processors Inc.	Kenai, AK	Marubeni Corp.	100	New	Canned/frozen fish	450	1972
North Pacific Processors Inc.	Kodiak, AK	Marubeni Corp.	100	New	Canned/frozen fish		1972
•Nova Steel Processing Inc.	Tipp City, OH	C. Itoh & Co., Ltd.	50	New	Steel processing	40*	1986*
		Armco Inc.	50				
Nutrius Inc.	Van Buren, AR	Mitsui & Co., Ltd.	100	Acquired	Feed additives		1981
Nutrius Inc.	Cypress, CA	Mitsui & Co., Ltd.	100	Acquired	Feed additives		1984
Nutrius Inc.	Fresno, CA	Mitsui & Co., Ltd.	100	Acquired	Feed additives		1981
Nutrius Inc.	Kingsburg, CA	Mitsui & Co., Ltd.	100	Acquired	Feed additives	150	1984
Nutrius Inc.	Manson, IA	Mitsui & Co., Ltd.	100	Acquired	Feed additives		1983
Nutrius Inc.	Louisville, KY	Mitsui & Co., Ltd.	100	Acquired	Feed additives		1981
Oak-Mitsui, Inc.	Hoosick Falls, NY	Mitsui Mining & Smelting Co., Ltd.	20	New	Electro-deposited copper foil	165	1976
		Oak Industries Inc.	80				
•Ogihara America Corp.	Howell, MI	Ogihara Iron Works Co., Ltd.	100	New	Automotive parts stampings	100*	1986*
Okabashi (U.S.) Corp.	Buford, GA	Okabashi Co., Ltd.	Minority share	New	Men's/women's sandals/other footwear	20	1982
Oki America Inc.	Norcross, GA	Oki Electric Industry Co., Ltd.	100	New	Electronic private branch exchanges, cellular mobile communications equipment	150	1984
Oki Semiconductor Inc.	Sunnyvale, CA	Oki Electric Industry Co., Ltd.	100	New	Integrated circuits	30	1984
Olympic Wood Products Inc.	Shelton, WA	Takeuchi Lumber Co., Ltd.	50	New	Lumber	15	1982
		Kanda Corp.	40				
		Aika Kogyo Co., Ltd.	10				
Omega Tube and Conduit Corp.	Little Rock, AR	Sumitomo Metal Industries, Ltd.	80	New	Welded steel tubing	150	1985
		Sumitomo Corp.	10				
		Quality Metals Inc.	10				
Orange Bakery Inc.	Irvine, CA	Rheon Automatic Machinery Co., Ltd.	100	New	Bakery products	50	1979
Orange Bakery Inc.	Irvine, CA	Rheon Automatic Machinery Co., Ltd.	100	New	Bakery products	15	1985
Orient Shimazaki Chemical Corp.	Newark, NJ	Shimazaki Corp.	n.a.	New	Nigrosine (black dye)	n.a.	1981
		Orient Chemical Industries Co., Ltd.	n.a.				

Company	Plant Location	Parent	Share	New or Acquired	Product Line	Employees	Year Plant Opened or Acquired
•Oxford Wire & Cable Services Inc.	Oxford, MS	Hayakawa Densen Kogyo Co., Ltd. Hitachi Cable, Ltd.	70 30	New	Wire harnesses for appliances	40	1986
•PMP Fermentation Products Inc.	Peoria, IL	Fujisawa Pharmaceutical Co., Ltd.	100	Acquired	Industrial detergents, enzymes	21	1985
Pacific Propeller, Inc.	Kent, WA	Minebea Co., Ltd.	100	Acquired	Aircraft propellers	80	1982
Pasco Corp. of America	Torrance, CA	Shikishima Baking Co., Ltd. Nissho Iwai Corp.	85 15	New	Bakery products	28	1984
Pearl International Corp.	Nashville, TN	Pearl Musical Instrument Co.	100	New	Musical drums	45	1979
•Pentax Ophthalmic Inc.	Minnetonka, MN	Asahi Optical Co., Ltd.	100	New	Coating of eyeglass lenses	25*	1986*
Peter Pan Seafoods Inc.	Dillingham, AK	Nichiro Gyogyo Kaisha, Ltd.	100	Acquired	Canned fish	90	1979
Peter Pan Seafoods Inc.	King Cove, AK	Nichiro Gyogyo Kaisha, Ltd.	100	Acquired	Canned/frozen fish	290	1979
Peter Pan Seafoods Inc.	Port Moller, AK	Nichiro Gyogyo Kaisha, Ltd.	100	Acquired	Frozen fish	120	1979
•Pioneer Industrial Components Inc.	Springboro, OH	Pioneer Electronic Corp.	100	New	Automotive audio equipment	200*	1986*
Pioneer Video Manufacturing Inc.	Carson, CA	Pioneer Electronic Corp.	100	Acquired	Video discs	180	1982
•Polychrome Corp.	Chicago, IL	Dainippon Ink & Chemicals, Inc.	100	New	Specialty resins	n.a.	1986
•Powerex, Inc.	Auburn, NY	Mitsubishi Electric Corp. General Electric Co. Westinghouse Electric Corp.	10 45 45	Acquired	Discrete devices	300	1985
•Powerex, Inc.	Youngwood, PA	Mitsubishi Electric Corp. General Electric Co. Westinghouse Electric Corp.	10 45 45	Acquired	Discrete devices	350	1985
•Powerex, Inc.	Gurabo, PR	Mitsubishi Electric Co. General Electric Co. Westinghouse Electric Corp.	10 45 45	Acquired	Discrete devices	200	1985
Pyr Coat Inc.	Houston, TX	Mitsui & Co., Ltd.	60	Acquired	Fireproof coatings, fireproof insulation/adhesives, asbestos encapsulation/removal products	5	1983
Q & B Foods, Inc.	Baldwin Park, CA	Q.P. Corp. Nakashima-to Co., Ltd.	96 4	New	Salad dressings, mayonnaise	16	1982
Rakuyo Ken U.S.A Inc.	Honolulu, HI	Rakuyo Shokuhin Co., Ltd.	100	New	Shumai	8	1981
Rion Acoustic Instruments, Inc.	Torrance, CA	Rion Co., Ltd.	100	New	Custom-designed hearing aids	3	1984
S & B International Corp.	Torrance, CA	S & B Shokuhin Co., Ltd.	100	New	Seasoning mixes	4	1975
SMK Manufacturing Inc.	Placentia, CA	SMK Corp.	100	Acquired	Computer keyboards	60	1981
San-O Industrial Corp.	Bohemia, NY	San-O Industrial Co., Ltd.	100	New	Electronic fuses, fuse holders, fuse blocks, terminals/related equipment	70	1981
Sanoh Manufacturing Corp.	San Diego, CA	Sanoh Industrial Co., Ltd. Sanyo Electric Co., Ltd.	80 20	New	Refrigerator parts	27	1981
Scripto Tokai Inc.	Doraville, GA	Tokai Seiki Co., Ltd.	100	Acquired	Writing instruments	325	1984
•SeaBlends Food Co. Inc.	Seattle, WA	Nichiro Gyogyo Kaisha, Ltd.	100	New	Frozen imitation crab products	25*	1986*
•Shachihata Inc. (U.S.A.)	Lakewood, NJ	Shachihata Industrial Co., Ltd.	100	New	Pre-inked rubber stamps	35	1985

Company	Plant Location	Parent	Share	New or Acquired	Product Line	Employees	Year Plant Opened or Acquired
•Sheller-Ryobi Corp.	Shelbyville, IN	Ryobi Ltd. Sheller-Globe Corp.	55 45	New	Aluminum transmission casings/ other die-cast aluminum automotive products	100*	1986*
Shindo International, Inc.	New York, NY	Shindo Shashin Seikan K.K.	100	New	Color separation, offset printing	n.a.	1978
Shinko Electric America Inc.	Manteca, CA	Shinko Electric Co., Ltd.	100	New	Lead frames for integrated circuits	54	1983
Sierracin Glass Transparencies Inc.	Sylmar, CA	Asahi Glass Co., Ltd. Sierracin Corp.	50 50	New	Glass transparencies for aircraft	50	1982
Sony Magnetic Products Inc.	Laredo, TX	Sony Corp.	100	New	Audio cassette tapes	50	1979
Sony Professional Products Co.	Fort Lauderdale, FL	Sony Corp.	100	Acquired	Audio/video professional equipment	300	1982
Stanley Electric U.S. Co., Inc.	London, OH	Stanley Electric Co., Ltd.	100	New	Automotive/motorcycle lighting equipment	60	1982
•Stauffer-Meiji, Inc.	York, PA	Meiji Seika Kaisha, Ltd. D.F. Stauffer Biscuit Co., Inc.	75 25	New	Chocolate candy/cookies	50*	1986*
•Sumitec Inc.	Benton Harbor, MI	Sumitomo Metal Industries, Ltd. Satosen Co., Ltd. Osaka Fuji Kogyo Co., Ltd. Electro-Coatings Inc.	50 5 5 40	New	Coating/repair of continuous steel casting molds	30	1985
Sumitomo Electric Research Triangle, Inc.	Research Triangle, NC	Sumitomo Electric Industries, Ltd.	100	New	Fiber-optic cables	320	1985
Sumitomo Metal Mining California Corp.	Fremont, CA	Sumitomo Metal Mining Co., Ltd.	100	New	Lead frames for integrated circuits	70	1985
Systems Magnetic Co.	Anaheim, CA	Hitachi Metals, Ltd.	100	Acquired	Voice coil motors for computer disk drives	210	1984
TNS Mills, Inc.	Eufaula, AL	Tsuzuki Spinning Co., Ltd.	100	Acquired	Cotton yarn	150	1985
TNS Mills, Inc.	Spartanburg, SC	Tsuzuki Spinning Co., Ltd.	100	New	Cotton-blend sheeting, polyester-cotton blend yarn	170	1982
TYK Swank Refractories Co.	Irvona, PA	Tokyo Yogyo Co., Ltd.	100	Acquired	Steel industry refractory products	30	1982
Taiyo Yuden (USA), Inc.	San Marcos, CA	Taiyo Yuden Co., Ltd.	100	New	Axial capacitors	40	1981
Takane USA, Inc.	Torrance, CA	Takane Sogyo Co., Ltd. Takane Co., Ltd. Ikeda Bussan Kaisha, Ltd. Micro Engineering Co., Ltd.	28 22 18 6	New	Quartz clock movements	55	1980
Takasago Corp. USA	Teterboro, NJ	Takasago Perfumery Co., Ltd.	100	Acquired	Food flavoring compounds	35	1984
Takeda Chemical Products U.S.A. Inc.	Wilmington, NC	Takeda Chemical Industries, Ltd.	100	New	Vitamin B_1	20	1985
•Teikoku Corp.	Hayward, CA	Teikoku Chromium Plating Co., Ltd.	100	New	Plating/repair of press molds	12	1986
Templock/AFM Inc.	Carpinteria, CA	Nippon Automatic Fine Machinery Co., Ltd. Marubun Corp. Templock Corp.	39 10 51	New	Heat-shrinkable plastic material application machinery	n.a.	1981
•Thermalex Inc.	Montgomery, AL	Mitsubishi Aluminum Co., Ltd. Thermal Components Inc.	50 50	New	Aluminum extrusions for heat-exchanger applications	30*	1986*
Thin Film Technology Corp.	North Mankato, MN	Susumu Co., Ltd.	100	New	Thin-film resistive electronic components	50	1982

Company	Plant Location	Parent	Share	New or Acquired	Product Line	Employees	Year Plant Opened or Acquired
•Thinsheet Metals Co.	Tempe, AZ	Nisshin Steel Co., Ltd.	96	Acquired	Copper, nickel/steel processing	90	1985
•Thinsheet Metals Co.	Waterbury, CT	Nisshin Steel Co., Ltd.	96	Acquired	Thin-gauge copper/nickel alloy, brass/stainless steel sheets		1985
Togiak Fisheries, Inc.	Togiak, AK	Marubeni Corp.	100	Acquired	Canned/frozen fish	140	1972
Tokai of America Inc.	Rancho Cucamonga, CA	Tokai Seiki Co., Ltd.	100	New	Disposable cigarette lighters	40	1982
Tomoegawa (U.S.A.) Inc.	Wheeling, IL	Tomoegawa Paper Co., Ltd.	100	New	Toner/developer/other consummable supplies for photocopying industry	50	1980
•Topy Corp.	Frankfort, KY	Topy Industries, Ltd.	100	New	Steel automotive wheels	80*	1980*
•Toshiba America, Inc.	Irvine, CA	Toshiba Corp.	100	New	Telecommunications equipment, medical electronics equipment	500*	1986*
•Toshiba Westinghouse Electronics Corp.	Horseheads, NY	Toshiba Corp. Westinghouse Electric Corp.	50 50	New	Cathode ray tubes	325*	1986*
Totaku America Corp.	Compton, CA	Totaku Industries Inc.	100	New	Plastic/rubber flexible hose	50	1974
Toyojamco, Ltd.	York, PA	Japan Automatic Machine Co., Ltd. Oriental Terminal Products Co., Ltd.	50 50	New	Components for automatic crimping machinery	15	1983
•Trans-Ocean Products, Inc.	Bellingham, WA	Taiyo Fishery Co., Ltd. Steuart Investment Co.	50 50	New	Frozen imitation crab products	50	1985
•Trea Industries Inc.	North Kingston, RI	Toray Industries, Inc.	100	Acquired	Polypropylene film	55	1985
Tri-Con Industries, Ltd.	Cape Girardeau, MO	Tokyo Seat Co., Ltd.	100	New	Automotive seats	470	1983
Tri-Con Industries, Ltd.	Columbia, MO	Tokyo Seat Co., Ltd.	100	New	Automotive seats	250	1983
Tri-Con Industries, Ltd.	Lincoln, NE	Tokyo Seat Co., Ltd.	100	New	Automotive seat frames	30	1985
Tube Turns Inc.	Louisville, KY	Sumitomo Metal Industries, Ltd. Sumitomo Corp. Sumitomo Bank, Ltd.	49 49 2	Acquired	Welded steel fittings, forgings, engineered products	300	1983
UGM, Inc.	Santa Clara, CA	Tokyo Tan-Ichi Co., Ltd.	100	New	Metal stampings for integrated circuit lead frames	9	1976
•U.S. Felt Co.	Augusta, GA	Hosokawa Micron Corp. Edward J. Andrew Ltd.	51 49	Acquired	Felt for dust collector filters	24	1985
U.S. Fuji Electric Inc.	Piscataway, NJ	Fuji Electric Co., Ltd.	100	New	Photo-sensitive drums for copiers	30	1983
US JVC Corp.	Elmwood Park, NJ	Victor Co. of Japan, Ltd.	100	New	Color television sets	45	1982
USR Optonix Inc.	Hackettstown, NJ	Mitsubishi Chemical Industries, Ltd.	100	Acquired	Fluorescent material for cathode ray tube displays	50	1981
Union Inc.	Costa Mesa, CA	Union Trade Co., Inc.	100	New	Instant noodles	120	1976
Universal Magnetics, Inc.	Chatsworth, CA	Minebea Co., Ltd.	100	Acquired	Direct-current motors for computer equipment	100	1984
Universal Seafoods Ltd.	Dutch Harbor, AK	Nippon Suisan Kaisha, Ltd.	99	New	Frozen fish	100	1975
Universal Seafoods Ltd.	Redmond, WA	Nippon Suisan Kaisha, Ltd.	99	New	Frozen fish, frozen imitation crab products	200	1975
VAM-PTS Co.	Houston, TX	Sumitomo Metal Industries, Ltd. Sumitomo Corp. Vallourec S.A.	49 51	Acquired	Steel threading for oil/gas drilling pipe	130	1984
Viam Manufacturing Inc.	Santa Fe Springs, CA	Japan Vilene Co., Ltd. Dainippon Ink & Chemicals Inc.	60 40	New	Automotive floor mats	50	1984
•Vicksmetal Corp.	Vicksburg, MS	Sumitomo Corp.	100	New	Steel processing	20	1985

Company	Plant Location	Parent	Share	New or Acquired	Product Line	Employees	Year Plant Opened or Acquired
Wacoal America Inc.	Luquio, PR	Wacoal Corp.	100	Acquired	Women's intimate apparel	785	1983
Wards Cove Packing Co., Inc.	Alitak, AK	Marubeni Corp.	Minority share	Acquired	Canned/frozen fish	1,500	1973
Wards Cove Packing Co., Inc.	Ekuk, AK	Marubeni Corp.	Minority share	Acquired	Canned/frozen fish		1973
Wards Cove Packing Co., Inc.	Excursion Inlet, AK	Marubeni Corp.	Minority share	Acquired	Canned/frozen fish		1973
Wards Cove Packing Co., Inc.	Icy Cape, AK	Marubeni Corp.	Minority share	Acquired	Canned/frozen fish		1973
Wards Cove Packing Co., Inc.	Kenai, AK	Marubeni Corp.	Minority share	Acquired	Canned/frozen fish		1973
Wards Cove Packing Co., Inc.	Ketchikan, AK	Marubeni Corp.	Minority share	Acquired	Canned fish		1973
Wards Cove Packing Co., Inc.	Naknek, AK	Marubeni Corp.	Minority share	Acquired	Canned/frozen fish		1973
Wards Cove Packing Co., Inc.	Port Bailey, AK	Marubeni Corp.	Minority share	Acquired	Canned/frozen fish		1973
Warner-Ishi Corp.	Shelbyville, IL	Ishikawajima-Harima Heavy Industries Co., Ltd. Borg-Warner Corp.	50 50	New	Automotive turbochargers	30	1986
Western Alaska Fisheries, Inc.	Kodiak, AK	Taiyo Fishery Co., Ltd.	100	New	Canned/frozen fish	25	1963
Woodward Iodine Corp.	Woodward, OK	Ise Chemical Industries Co., Ltd. Asahi Glass Co., Ltd.	80 20	Acquired	Iodine	18	1984
Wynn-Kiki Inc.	Fort Worth, TX	Diesel Kiki Co., Ltd. Wynn Industries, Inc.	50 50	Acquired	Compressors/evaporators for automotive air conditioners	90	1984
•YKC-Yamada Industries Inc.	Reno, NV	YKC Co., Ltd. Yamada Seisakusho Co., Ltd.	50 50	New	Semiconductor assembly equipment	50*	1986*

n.a. not available
* Projected
• Previously unlisted plants that went into operation during 1985 or were under construction on December 31, 1985, as well as acquisitions that were finalized in 1985.

Appendix 2: U.S. Manufacturing Affiliates of Japanese Companies by State

Alabama
CoilPlus, Inc.
•IB Chemical Co.
Metco America Inc.
•NTN Bower Corp.
TNS Mills, Inc.
•Thermalex Inc.

Alaska
Bering Sea Fisheries, Inc.
Dutch Harbor Seafoods Co., Inc.
•Great Land Seafoods Inc.
North Pacific Processors Inc. (3)
Peter Pan Seafoods Inc. (3)
Togiak Fisheries, Inc.
Universal Seafoods Ltd.
Wards Cove Packing Co., Inc. (8)
Western Alaska Fisheries, Inc.

Arizona
Chickasha Cotton Oil Co.
•Great Western Silicon Corp.
NKK Switches of America, Inc.
•Thinsheet Metals Co.

Arkansas
Alumax Inc., Home and Specialty Products Group
Alumax Inc., Kawneer Co., Inc.
Nutrius Inc.
Omega Tube and Conduit Corp.

California
•AMTEX Inc.
•Airin Inc.
•Alerco and Hayward Steel, Inc. (2)
Alloy Tool Steel Inc.
Alpine Electronics of America, Inc.
•Alps Electric (U.S.A.), Inc.
Alumax Inc., Alumax Fabricated Products, Inc. (2)
Alumax Inc., Home and Specialty Products Group (4)
American Foods Corp. (3)
Amsnack, Inc.
•Atari Games Corp.
•C&M Fine Pack Inc.
California Steel Industries Inc.
Chateau St. Jean
Concise Casting Corp.
Cryodynamics Co.-Ebara Group
Curtis-Maruyasu America, Inc.
Dainippon Screen Engineering of America Inc.
Daiwa Golf Co.
•Electro-Plasma, Inc.
Hirose Electric (U.S.A.), Inc.
Hitachi Consumer Products of America Inc.
Hi-Tek Corp.
House Foods and Yamauchi Inc.
IDEC Systems & Controls Corp.
IKS American Corp.
International Leadframe Corp.
International Light Metals Corp.
Kaga USA Inc.
Kato Spring Inc.
Kikusui International Corp.
•Koltron Corp.
Lafayette Metal Service Corp.
Maruhachi Ceramics of America
Master-Halco, Inc.
Matheson Gas Products Inc. (2)
Megatool Inc.
Memorex DIC Corp.
•Menardi-Southern Corp.
Mitutoyo Corp.
•NBK Corp.
NEC America, Inc.
NEC Electronics U.S.A. Inc.
New United Motor Manufacturing Inc.
Nidek Inc.
Niitakaya USA Inc.
Nitto Denko America, Inc.
Nutrius Inc. (3)
Oki Semiconductor Inc.
Orange Bakery Inc. (2)
Pasco Corp. of America
Pioneer Video Manufacturing Inc.
Q & B Foods, Inc.
Rion Acoustic Instruments, Inc.
S & B International Corp.
SMK Manufacturing Inc.
Sanoh Manufacturing Corp.
Shinko Electric America Inc.
Sierracin Glass Transparencies Inc.
Sumitomo Metal Mining California Corp.
Systems Magnetic Co.
Taiyo Yuden (USA), Inc.
Takane USA, Inc.
•Teikoku Corp.
Templock/APM Inc.
Tokai of America Inc.
•Toshiba America, Inc.
Totaku America Corp.
UQM, Inc.
Union Inc.
Universal Magnetics, Inc.
Viam Manufacturing Inc.

Colorado
Alumax Inc., Kawneer Co., Inc.
Data Ray Corp.

Connecticut
Nidec Torin Corp.
•Thinsheet Metals Co.

Delaware
No listings

Florida
ASTRONET Corp.
Alumax Inc., Home and Specialty Products Group
Fujitsu America, Inc.
•IMC Magnetics Corp.
Sony Professional Products Co.

Georgia
Alumax Inc., Alumax Fabricated Products, Inc. (2)
Alumax Inc., Home and Specialty Products Group (3)
Alumax Inc., Prime Metals Division
Amitech Inc.
High Voltage Breakers, Inc.
Hitachi Chemical Co. America, Ltd.
•Hoshizaki America, Inc.
Kato Spring of Georgia Inc.
Kubota Tractor Corp.
•Makita Corp. of America
Matheson Gas Products Inc.
•Menardi-Southern Corp.
•Mitsubishi Consumer Electronics America, Inc.
Mizuno Golf Co.
NEC Home Electronics (U.S.A.) Inc.
Okabashi (U.S.) Corp.
Oki America Inc.
Scripto Tokai Inc.
•U.S. Felt Co.

Hawaii
Bunmeido of Hawaii Ltd.
Daiichiya Love's Bakery Inc.
Honma Golf, Inc.
Rakuyo Ken U.S.A. Inc.

Idaho
No additional listings

Illinois
Alumax Inc., Home and Specialty Products Group
•Diamond-Star Motors Corp.
LyphoMed Inc.
Matheson Gas Products Inc.
Matsushita Communication Co.
•NTN-Bower Corp.
National Steel Corp.
North American Lighting, Inc.
•PMP Fermentation Products Inc.
•Polychrome Corp.
Tomoegawa (U.S.A.) Inc.
Warner-Ishi Corp.

Indiana
Alumax Inc., Alumax Fabricated Products, Inc.
Digital Audio Disc Corp.
•Enkenei America Inc.
National Steel Corp.
•Sheller-Rvobi Corp.

Iowa
Heartland Lysine, Inc.
Nutrius Inc.

Kansas
No additional listings

Kentucky
ATR Wire and Cable Co.
Alumax Inc., Alumax Aluminum Corp.
•Hitachi Automotive Products (USA) Inc.
•Isuzu Truck of America Inc.
•C. Itoh Steel Inc.
Nutrius Inc.
•Togy Corp.
Tube Turns Inc.

Louisiana
•Mentwood Spring Water Inc.
Matheson Gas Products Inc.

Maine
No additional listings

Maryland
No additional listings

Massachusetts
Kameyama U.S.A. Inc.
Matheson Gas Products Inc.
NEC Information Systems, Inc.

Michigan
Alumax Inc., Prime Metals Division (2)
•American Yazaki Corp.
Cast Forge Co.
FEC Inc.
•GMF Robotics Corp.
Hemlock Semiconductor Corp.
•Kux Manufacturing Co.
•Mazda Motor Manufacturing (USA) Corp.
Musashi USA Inc.
National Steel Corp.
Nikko Wolverine Inc.
•Nippondenso Manufacturing U.S.A. Inc. (2)
•Ogihara America Corp.
•Sumitec Inc.

Minnesota
•Pentax Ophthalmic Inc.
Thin Film Technology Corp.

Mississippi
•Oxford Wire & Cable Services Inc.
•Vicksmetal Corp.

Missouri
Alumax Inc., Home and Specialty Products Group
Alumax Inc., Prime Metals Division
Bio Kyowa Inc.
Kel-Am, Inc.
Tri-Con Industries, Ltd. (2)

Montana
No listings

Nebraska
Diamond Plastics Corp.
Tri-Con Industries, Ltd.

Nevada
•YKC-Yamada Industries Inc.

New Hampshire
Coca-Cola Bottling Co.
•New Hampshire Ball Bearings Inc. (3)

New Jersey
•American Fuji Seal, Inc.
•Hishi Plastics U.S.A., Inc.
Iwatsu America Inc.
MCI Optinix Inc.
Matheson Gas Products Inc.
•Mikropul Corp.
NSG America Inc.
Orient Shimazaki Chemical Corp.
•Shachihata Inc. (U.S.A.)
Takasago Corp. USA
U.S. Fuji Electric Inc.
US JVC Corp.
USR Optinix Inc.

New Mexico
No listings

New York
•Aderans & Alfieri Inc.
•K.N. Aronson Inc.
Economic Salon, Ltd.
•Kawasaki and Nissho Iwai Partnership
Oak-Mitsui, Inc.
•Powerex, Inc.
San-O Industrial Corp.
Shindo International, Inc.
•Toshiba Westinghouse Electronics Corp.

North Carolina
Alumax Inc., Alumax Extrusions, Inc.
•Alumax Inc., Kawneer Co., Inc.
Fuji Cone Inc.
Fuji Foods Inc.
Honda Power Equipment Manufacturing Inc.
Kibun Corp. of North Carolina
Mitsubishi Semiconductor America Inc.
Sumitomo Electric Research Triangle, Inc.
Takeda Chemical Products U.S.A. Inc.

North Dakota
No listings

Ohio
•AP Technoglass Corp.
Alumax Inc., Prime Metals Division
Ando Screen Inc.
•Barudan America Inc.
Bellwear Parts Industries Inc. (2)
•Belletech Corp.
•Berwick Steel Co.
•Bleim Steel Co.
Fujitec Industries, Inc.
Honda of America Manufacturing, Inc.
KTH Parts Industries Inc.
•L-S Electro-Galvanizing Co.
LeBlond Makino Machine Tool Co.
Matheson Gas Products Inc.
Neaton Auto Products Manufacturing Inc.
•Nova Steel Processing Inc.
•Pioneer Industrial Components Inc.
Stanley Electric U.S. Co., Inc.

Oklahoma
Chickasha Cotton Oil Co.
•Hitachi Computer Products (America) Inc.
North American Brine Resources
Woodward Iodine Corp.

Oregon
Enway Inc.
•Epson Portland Inc.
•Fujitsu America, Inc.
NEC America, Inc.

Pennsylvania
Alumax Inc., Alumax Aluminum Corp.
Alumax Inc., Alumax Fabricated Products, Inc.
Alumax Inc., Home and Specialty Products Group (3)
•Powerex, Inc.
•Stauffer-Meiji, Inc.
TYK Swank Refractories Co.
Toyojamco Ltd.

Rhode Island
Machine Specialties Co.
•Trea Industries Inc.

South Carolina
•Alcoa Conductor Accessories Inc.
•Alcoa Fujikura Ltd.
TNS Mills, Inc.

South Dakota
No additional listings

Tennessee
Bridgestone (USA) Inc.
•CKR Industries, Inc.
Calsonic Manufacturing Corp.
Clarion Corp. of America
Kantus Corp.
•Komatsu America Manufacturing Corp.
Nisco Steel Services Inc.
Pearl International Corp.

Texas
Alloy Tool Steel of Texas Inc.
Alumax Inc., Alumax Extrusions, Inc. (2)
Alumax Inc., Alumax Fabricated Products, Inc.
Alumax Inc., Alumax Mill Products, Inc. (2)
Alumax Inc., Home and Specialty Products Group (3)
Alumax Inc., Kawneer Co., Inc.
Alumax Inc., Prime Metals Division
Chickasha Cotton Oil Co. (2)
Diamond Plastics Corp.
•EVAL Co. of America
First Metals, Inc.
Fuji Koki America Inc.
Fujitsu America, Inc.
Kaneka Texas Corp.
Master-Halco, Inc.
Matheson Gas Products Inc.
•Menardi-Southern Corp.
•Mori Seiki U.S.A. Inc.
Nisshin Gulf Coast Inc.
Pyr Coat Inc.
Sony Magnetic Products Inc.
VAM-PTS Co.
Wynn-Kiki Inc.

Utah
No listings

Vermont
No additional listings

Virginia
Amano-International Enzyme Co., Inc.
•Canon Virginia Inc.

Washington
Alpha Biochemical Corp.
International Titanium Inc.
Japan Aircraft Maintenance (America), Inc.
•Kawasaki Thermal Systems, Inc.
Kibun Corp. of Washington
Kyocera Northwest Inc.
Nichimo Northwest, Inc.
Nintendo of America, Inc.
Olympic Wood Products Inc.
Pacific Propeller, Inc.
•SeaBlends Food Co. Inc.
•Trans-Ocean Products Inc.
Universal Seafoods Ltd.

West Virginia
No listings

Wisconsin
No additional listings

Wyoming
No listings

Puerto Rico
Matsushita Electric of Puerto Rico, Inc.
Mitsubishi Foods Inc.
Neptune Packing Corp.
•Powerex, Inc.
Wacoal America Inc.

•Previously unlisted plants that went into operation during 1985 or were under construction on December 31, 1955, as well as acquisitions that were finalized in 1985.

Note: A number in parentheses indicates that the relevant company has plants in more than one location in the state.

Appendix 3: U.S. Manufacturing Affiliates of Japanese Companies by Product Line

Food Products		
2013	Shumai	Rakuyo Ken U.S.A. Inc.
2034	Instant noodles	Union Inc.
2035	Cooking wines	American Foods Corp.
	Sauces	American Foods Corp.
	Salad dressings, mayonnaise	Q & B Foods, Inc.
	Pickles	Niitakaya USA Inc.
2037	Frozen potato products	Enway Inc.
2051	Bakery products	Bunmeido of Hawaii Ltd.
	Bakery products	Daiichiya Love's Bakery Inc.
	Bakery products	Orange Bakery Inc. (2)
	Bakery products	Pasco Corp. of America
2052	Rice crackers	•Airin Inc.
	Rice crackers	Amsnack, Inc.
	Cookies	•Stauffer-Meiji, Inc.
2065	Chocolate candy	•Stauffer-Meiji, Inc.
2074	Cottonseed oil	Chickasha Cotton Oil Co. (4)
2077	Binder for fish feed	Alpha Biochemical Corp.
2084	Wine	Chateau St. Jean
2086	Soft drinks	Coca-Cola Bottling Co.
	Bottled water	•Ken-wood Spring Water Inc.
2091	Canned fish	Mitsubishi Foods Inc.
	Canned fish	Neptune Packing Corp.
	Canned fish	North Pacific Processors Inc. (3)
	Canned fish	Peter Pan Seafoods Inc. (2)
	Canned fish	Togiak Fisheries, Inc.
	Canned fish	Wards Cove Packing Co., Inc. (8)
	Canned fish	Western Alaska Fisheries, Inc.
2092	Frozen fish	Bering Sea Fisheries, Inc.
	Frozen fish	Dutch Harbor Seafoods Co., Inc.
	Frozen fish	North Pacific Processors Inc. (3)
	Frozen fish	Peter Pan Seafoods Inc. (2)
	Frozen fish	Togiak Fisheries, Inc.
	Frozen fish	Universal Seafoods Ltd. (2)
	Frozen fish	Wards Cove Packing Co., Inc. (7)
	Frozen fish	Western Alaska Fisheries, Inc.
	Surimi (boiled fish paste)	•Great Land Seafoods Inc.
	Frozen imitation crab products	Kibun Corp. of North Carolina
	Frozen imitation crab products	Kibun Corp. of Washington
	Frozen imitation crab products	•SeaBlends Food Co., Inc.
	Frozen imitation crab products	•Trans-Ocean Products Inc.
	Frozen imitation crab products	Universal Seafoods Ltd.
2099	Beef/chicken extracts for soup stocks	Fuji Foods Inc.
	Tofu/related soybean products	House Foods and Yamauchi Inc.
	Seasoning mixes	S & B International Corp.
	Vinegar	American Foods Corp. (3)
Tobacco Manufactures		
No listings		
Textile Mill Products		
2211	Cotton-blend sheeting	TNS Mills, Inc.
	Filter cloths	•Menardi-Southern Corp. (3)
2271	Automotive floor mats	•AMTEX Inc.
	Automotive floor mats	Viam Manufacturing Inc.
2281	Cotton yarn	TNS Mills, Inc.
	Polyester-cotton blend yarn	TNS Mills, Inc.
2291	Felt for dust collector filters	•U.S. Felt Co.
2297	Fabric filter media for pollution control, product recovery, straining/separation	•Menardi-Southern Corp. (3)
Apparel and Made-up Textile Products		
234	Women's intimate apparel	Wacoal America Inc.
2393	Filter bags	•Menardi-Southern Corp. (3)
2399	Gill nets	Nichimo Northwest, Inc.
Lumber and Wood Products		
2421	Lumber	Olympic Wood Products Inc.
Furniture and Fixtures		
2517	Speaker boxes	Matsushita Electric of Puerto Rico, Inc.
Paper and Paper Products		
No additional listings		
Printing and Publishing		
2721	Periodicals publishing	Economic Salon, Ltd.
2751	Self-adhesive lettering/decals for motor vehicles/industrial equipment	•Kux Manufacturing Co.
2752	Color separation, offset printing	Shindo International, Ltd.
Chemicals and Related Products		
2813	Specialty gases	Matheson Gas Products Inc. (9)
2819	Fluorescent material for cathode ray tube displays	USR Optonix Inc.
	Iodine	North American Brine Resources
	Iodine	Woodward Iodine Corp.
2821	Ethylene vinyl alcohol copolymer resins	•EVAL Co. of America
	Methyl methacrylate-butadiene-styrene resins	Kaneka Texas Corp.
	Specialty resins	•Polychrome Corp.
2833	Vitamin B_1	Takeda Chemical Products U.S.A. Inc.
2834	Injectable drugs	LyphoMed Inc.
2841	Industrial detergents	•PMP Fermentation Products Inc.
2865	Nigrosine (black ink)	Orient Shimazaki Chemical Corp.
2869	Enzymes	Amano-International Enzyme Co., Ltd.
	Enzymes	•PMP Fermentation Products Inc.
	Food flavoring compounds	Takasago Corp. USA
	Feed additives	Nutrius Inc. (6)
	Lysine (feedstuff amino acid additive)	Bio Kyowa Inc.

	Lysine (feedstuff amino acid additive)	Heartland Lysine Inc.
	Impact modifiers for plastics industry	Metco America Inc.
2873	Slow-release nitrogen fertilizers	•IB Chemical Co.
2899	Fireproof coatings, fireproof spray insulation/adhesives, asbestos encapsulation/ removal products	Pyr Coat Inc.

Petroleum Refining
No additional listings

Rubber and Miscellaneous Plastic Products

3011	Radial truck/bus tires	Bridgestone (USA) Inc.
3041	Plastic/rubber flexible hose	Totaku America Corp.
3069	Pre-inked rubber stamps	•Shachihata Inc. (U.S.A.)
3079	Polyvinyl chloride pipes	Diamond Plastics Corp. (2)
	Polyvinyl chloride heat-shrinkable tubing	•Hishi Plastics U.S.A., Inc.
	Polypropylene film	•Trea Industries Inc.
	Custom fluoropolymer linings for corrosion resistance	Nisshin Gulf Coast Inc.
	Plastic containers	•C&M Fine Pack Inc.
	Plastic parts for electronics industry/medical uses	Amitech Inc.
	Heat-shrink labels	•American Fuji Seal, Inc.

Leather and Leather Products

314	Men's/women's sandals/ other footwear	Okabashi (U.S.) Corp.

Stone, Clay, Glass and Concrete Products

3211	Automotive safety glass	•AP Technoglass Corp.
3231	Glass transparencies for aircraft	Sierracin Glass Transparencies Inc.
3259	Roofing tiles	Maruhachi Ceramics of America
3297	Steel industry refractory products	TYK Swank Refractories Co.

Primary Metals

3312	Hot-rolled, cold-rolled/ galvanized steel sheets/coils, hot-rolled steel plates	California Steel Industries Inc.
	Steel slabs/hot-rolled, cold-rolled/coated steel sheets	National Steel Corp.
	Cold-rolled, coated/tin-plate sheets	National Steel Corp.
	Steel slabs/hot-rolled, cold-rolled/galvanized steel sheets	National Steel Corp.
	Galvanized steel sheets	•L-S Electro-Galvanizing Co.
3315	Thin-gauge stainless steel sheets	•Thinsheet Metals Co.
3317	Welded steel tubing	Omega Tube and Conduit Corp.
	Insulated oilfield pipe	•Kawasaki Thermal Systems, Inc.
3339	Titanium sponge	International Titanium Inc.
	Polycrystalline silicon	•Great Western Silicon Corp.
	Polycrystalline silicon	Hemlock Semiconductor Corp.
3341	Secondary aluminum billet	Alumax Inc., Alumax Extrusions, Inc.
	Recycled aluminum scrap	Alumax Inc., Alumax Mill Products, Inc.
3351	Thin-gauge copper, nickel alloy/brass sheets	•Thinsheet Metals Co.
3353	Aluminum container sheet	Alumax Inc., Alumax Mill Products, Inc.
	Aluminum sheet	Alumax Inc., Alumax Aluminum Corp. (2)
3354	Aluminum extruded shapes	Alumax Inc., Alumax Extrusions, Inc. (2)
	Aluminum bars/extrusions	International Light Metals Corp.
	Aluminum extrusions for heat-exchanger applications	•Thermalex Inc.
3356	Titanium bars/extrusions	International Light Metals Corp.
	Titanium/zirconium tubes/pipe	Nikko Wolverine Inc.
3361	Aluminum castings	Concise Casting Corp.

Fabricated Metal Products

344	Steel processing	Alloy Tool Steel Inc.
	Steel processing	Alloy Tool Steel of Texas Inc.
	Steel processing	•Berwick Steel Co.
	Steel processing	•Bleim Steel Co.
	Steel processing	CoilPlus, Inc.
	Steel processing	First Metals, Inc.
	Steel processing	•C. Itoh Steel Inc.
	Steel processing	Lafayette Metal Service Corp.
	Steel processing	Nisco Steel Services Inc.
	Steel processing	•Nova Steel Processing Inc.
	Steel processing	•Vicksmetal Corp.
	Aluminum, copper/steel processing	Alumax Inc., Prime Metals Division (6)
	Copper, nickel/steel processing	•Thinsheet Metals Co.
3442	Aluminum bath enclosures	Alumax Inc., Home and Specialty Products Group (5)
3443	Fabricated plate work	•Alerco and Hayward Steel, Inc.
3444	Aluminum products for housing aftermarket	Alumax Inc., Alumax Fabricated Products, Inc. (2)
	Aluminum products for housing aftermarket	Alumax Inc., Home and Specialty Products Group (8)
	Aluminum products for mobile homes/recreational vehicles	Alumax Inc., Alumax Fabricated Products, Inc. (2)
	Aluminum products for housing aftermarket/mobile homes	Alumax Inc., Alumax Fabricated Products, Inc. (3)
	Aluminum rain-carrying components/other building products	Alumax Inc., Home and Specialty Products Group (5)
	Aluminum spectator seating, scaffolding/ceiling grid systems	Alumax Inc., Home and Specialty Products Group
	Sheet-metal ducts	•Alerco and Hayward Steel, Inc. (2)
3446	Architectural aluminum products	Alumax Inc., Kawneer Co., Inc. (4)
3462	Steel forgings	Tube Turns Inc.
	Steel automotive wheels	•Topy Corp.
3463	Aluminum/titanium forgings	International Light Metals Corp.
	Aluminum automotive wheels	•Enkenei America Inc.

	Aluminum wheels/other die-cast aluminum automotive products	Cast Forge Co.
	Aluminum transmission casings/other die-cast aluminum automotive products	•Sheller-Ryobi Corp.
3465	Automotive body stampings	•Diamond-Star Motors Corp.
	Automotive body stampings	•Mazda Motor Manufacturing (USA) Corp.
	Automotive body stampings	New United Motor Manufacturing Inc.
	Automotive parts stampings	•Ogihara America Corp.
	Automotive seat frames	Bellemar Parts Industries Inc.
	Automotive seat frames	Tri-Con Industries, Ltd.
3469	Lead frames for integrated circuits	International Leadframe Corp.
	Lead frames for integrated circuits	•Koltron Corp.
	Lead frames for integrated circuits	Shinko Electric America Inc.
	Lead frames for integrated circuits	Sumitomo Metal Mining California Corp.
	Lead frames/other metal parts for integrated circuits	Kaga USA Inc.
	Metal stampings for integrated circuit lead frames	UGM, Inc.
3471	Plating/repair of press molds	•Teikoku Corp.
3479	Coating/repair of continuous steel casting molds	•Sumitec Inc.
3494	Welded steel fittings, engineered products	Tube Turns Inc.
	Expansion valves for automotive air conditioning systems	Fuji Koki America Inc.
3495	Precision springs	Kato Spring Inc.
	Precision springs	Kato Spring of Georgia Inc.
3496	Chain link	Master-Halco, Inc.
	Fittings for metal fencing	Master-Halco, Inc.
	Steel cord/bead wire for tires	ATR Wire and Cable Co.
3497	Electro-deposited copper foil	Oak-Mitsui, Inc.
3498	Steel threading for oil/gas drilling pipe	VAM-PTS Co.

Nonelectric Machinery

3523	Farm tractors	Kubota Tractor Corp.
3524	Lawnmowers	Honda Power Equipment Manufacturing Inc.
3531	Construction equipment	•Komatsu America Manufacturing Corp.
3532	Mining equipment	•Komatsu America Manufacturing Corp.
3534	Elevators, escalators	Fujitec Industries, Inc.
3541	Numerically controlled lathes, machining centers	LeBlond Makino Machine Tool Co.
	Numerically controlled lathes, machining centers	•Mori Seiki U.S.A. Inc.
	Numerical controls	LeBlond Makino Machine Tool Co.
3543	Robotic systems	•GMF Robotics Corp.
3544	Welding positioners	•K.N. Aronson Inc.
3546	Carbide drills	Megatool Inc.
	Cordless drills	•Makita Corp. of America
3549	Gas-cutting equipment	•K.N. Aronson Inc.
3552	Monogramming/embroidery machinery	•Baruden America Inc.
3555	Electronic page makeup systems/color scanners for graphic arts industry	Dainippon Screen Engineering of America Inc.
	Rotogravure cylinders	•American Fuji Seal, Inc.
3559	Semiconductor assembly equipment	•YKC-Yamada Industries Inc.
	Components for automatic crimping machinery	Toyojamco Ltd.
3561	Pumps for low-temperature liquids	Cryodynamics Co.-Ebara Group
3562	Ball/rod-end bearings	•New Hampshire Ball Bearings Inc. (4)
	Ball bearings	IKS American Corp.
	Tapered/cylindrical roller bearings	•NTN-Bower Corp. (2)
3564	Small horsepower fans for computer motors	Nidec Torin Corp.
	Dust-collection equipment, electrostatic precipitators	•Mikropul Corp.
3568	Pulleys	Machine Specialties Co.
3569	Plasma spray equipment	•Electro-Plasma, Inc.
	Specialty gas handling equipment	Matheson Gas Products Inc. (9)
	Screening equipment for liquid-solid separation	Ando Screen Inc.
	Particle-size reduction equipment	•Mikropul Corp.
	Electronic fastening systems	FEC Inc.
	Heat-shrinkable plastic material application machinery	Templock/AFM Inc.
	Component parts	•New Hampshire Ball Bearings Inc., Scotia Division
3573	Computers	NEC Information Systems, Inc.
	Computer disk drives	•Fujitsu America, Inc.
	Computer disk drives	•Hitachi Computer Products (America) Inc.
	Computer printers	•Epson Portland Inc.
	Computer printers	NEC Information Systems, Inc.
	Computer keyboards	Hi-Tek Corp.
	Computer keyboards	SMK Manufacturing Inc.
	Computer keyboards, mouse input devices	•Alps Electric (U.S.A.), Inc.
	CRT display modules	Data Ray Corp.
3585	Heat exchangers, evaporators/condensers for automotive air conditioners	•Nippondenso Manufacturing U.S.A. Inc.
	Compressors/evaporators for automotive air conditioners	Wynn-Kiki Inc.
	Ice machines	•Hoshizaki America, Inc.
3599	Membrane modules for recovery of electro-deposited paint	Nitto Denko America, Inc.

Electric Machinery and Electronics		
3613	Circuit breakers for power plants/transmission lines	High Voltage Breakers, Inc.
	Electronic fuses, fuse holders, fuse blocks, terminals/related equipment	San-O Industrial Corp.
3621	Voice-coil motors for computer disk drives	Systems Magnetic Co.
	Direct-current motors for computer equipment	Universal Magnetics, Inc.
	Motors for phonographs/audio equipment	Matsushita Electric of Puerto Rico, Inc.
3632	Refrigerator parts	Sanoh Manufacturing Corp.
3643	Electric/electronic switches	NKK Switches of America, Inc.
3644	Accessories for overhead transmission lines	•Alcoa Conductor Accessories Inc.
3647	Automotive lighting equipment	North American Lighting, Inc.
	Automotive/motorcycle lighting equipment	Stanley Electric U.S. Co., Inc.
3651	Audio/video professional equipment	Sony Professional Products Co.
	Color television sets	Hitachi Consumer Products of America Inc.
	Color television sets	•Mitsubishi Consumer Electronics America, Inc.
	Color television sets	NEC Home Electronics (U.S.A.) Inc.
	Color television sets	US JVC Corp.
	Automotive audio equipment	Alpine Electronics of America, Inc.
	Automotive audio equipment	Clarion Corp. of America
	Automotive audio equipment	•Pioneer Industrial Components Inc.
	Stereo speakers, record changers	Matsushita Electric of Puerto Rico, Inc.
	Paper cones for stereo speakers	Fuji Cone Inc.
3652	Digital audio discs	Digital Audio Disc Corp.
	Video discs	Pioneer Video Manufacturing Inc.
3661	Electronic private branch exchanges	Oki America Inc.
	Key telephone systems, push-button telephones	Iwatsu America Inc.
	Telecommunications equipment	•Toshiba America, Inc.
3662	Cellular mobile communications equipment	ASTRONET Corp.
	Cellular mobile communications equipment	Matsushita Communication Co.
	Cellular mobile communications equipment	•Mitsubishi Consumer Electronics America, Inc.
	Cellular mobile communications equipment	Oki America Inc.
	Cellular mobile communications equipment, mobile paging devices	NEC America, Inc.
	Cellular mobile/fiber-optic communications equipment, multiplexers, microwave radios	Fujitsu America, Inc.
	Fiber-optic transmission systems, cellular mobile communications equipment/other telecommunications products	NEC America, Inc.
	Mobile paging devices	Matsushita Electric of Puerto Rico, Inc.
	Video game machines	Nintendo of America, Inc.
	Coin-operated video game machines	•Atari Games Corp.
367	Cathode ray tubes	•Toshiba Westinghouse Electronics Corp.
3674	Silicon wafers	•NBK Corp.
	Integrated circuits	Mitsubishi Semiconductor America Inc.
	Integrated circuits	NEC Electronics U.S.A. Inc.
	Integrated circuits	Oki Semiconductor Inc.
	Discrete devices	•Powerex, Inc. (3)
3675	Ceramic capacitors	Kyocera Northwest Inc.
	Axial capacitors	Taiyo Yuden (USA), Inc.
3676	Thin-film resistive electronic components	Thin Film Technology Corp.
3678	Connectors	Hirose Electric (U.S.A.), Inc.
	Connectors	Kel-Am, Inc.
3679	Audio cassette tapes	Sony Magnetic Products Inc.
	Multiwire boards	Hitachi Chemical Co. America, Ltd.
	Power supplies for computers/ other equipment	•IMC Magnetics Corp.
	Cable assemblies, power supply units/related components for computers/peripheral equipment	Fujitsu America, Inc.
	Relays, sockets, switches/other electrical industrial components	IDEC Systems & Controls Corp.
	Wire harnesses for appliances	•Oxford Wire & Cable Services Inc.
3693	Medical electronics equipment	•Toshiba America, Inc.
	X-ray intensifying screens for medical use	MCI Optinix Inc.
3694	Ignition coils/electronic automotive components	•Hitachi Automotive Products (USA) Inc.
	Automotive wire harnesses	•American Yazaki Corp.
Transportation Equipment		
3711	Cars	•Diamond-Star Motors Corp.
	Cars	•Mazda Motor Manufacturing (USA) Corp.
	Cars	New United Motor Manufacturing Inc.
	Bus chassis	•Isuzu Truck of America Inc.
3714	Automotive air conditioners, exhaust assemblies	Calsonic Manufacturing Corp.
	Automotive exhaust systems, catalytic converters, brake lines, door sashes	Bellemar Parts Industries Inc.
	Automotive fuel line/ hydraulic brake assemblies	Curtis-Maruyasu America, Inc.
	Automotive turbochargers	Warner-Ishi Corp.
	Automotive windshield washers/heaters	Nippondenso Manufacturing U.S.A. Inc.
	Automotive seats	Tri-Con Industries, Ltd. (2)
	Automotive seats, wheels	Bellemar Parts Industries Inc.
	Automotive steering wheels	Neaton Auto Products Manufacturing Inc.

	Automotive arm bushing/joint assemblies	Musashi USA Inc.
	Automotive stamped/welded internal structural components	KTH Parts Industries Inc.
	Automotive molded plastic parts	•Diamond-Star Motors Corp.
	Automotive molded plastic parts	•Mazda Motor Manufacturing (USA) Corp.
	Automotive plastic instrument panels, radiator grilles, console/glove boxes, bumpers/ splash guards	Kantus Corp.
	Automotive door trim/other interior trim products	•AMTEX Inc.
	Automotive extruded rubber products	•CKR Industries, Inc.
	Automotive glass fittings	•Beiletech Corp.
3728	Aircraft propellers	Pacific Propeller, Inc.
	Aircraft interior equipment	Japan Aircraft Maintenance (America), Inc.
3743	Subway cars	•Kawasaki and Nissho Iwai Partnership
3751	Motorcycle engines	Honda of America Manufacturing, Inc.
	Motorcycle seats	Bellemar Parts Industries Inc.

Precision, Medical and Photographic Equipment

3825	Oscilloscopes	Kikusui International Corp.
3829	Calipers, micrometers	Mitutoyo Corp.
3832	Fiber-optic lens	NSG America Inc.
	Fiber-optic cables	•Alcoa Fujikura Ltd.
	Fiber-optic cables	Sumitomo Electric Research Triangle, Inc.
3841	Auto-refractometers, photocoagulators/other ophthalmologic instruments	Nidek Inc.
3842	Custom-designed hearing aids	Rion Acoustic Instruments, Inc.
3851	Coating of eyeglass lenses	•Pentax Ophthalmic Inc.
3861	Copiers	•Canon Virginia Inc.
	Photo-sensitive drums for copiers	U.S. Fuji Electric Inc.
	Toner/developer for copiers, duplicators/printers	Memorex DIC Corp.
	Toner/developer/other consummable supplies for photocopying industry	Tomoegawa (U.S.A.) Inc.
3873	Quartz clock movements	Takane USA, Inc.

Miscellaneous Manufactures

3931	Musical drums	Pearl International Corp.
3949	Golf clubs	Daiwa Golf Co.
	Golf clubs	Honma Golf, Inc.
	Golf clubs	Mizuno Golf Co.
395	Writing instruments	Scripto Tokai Inc.
3999	Disposable cigarette lighters	Tokai of America Inc.
	Candles	Kameyama U.S.A. Inc.
	Men's custom hairpieces	•Alderans & Alfieri Inc.

•Previously unlisted plants that went into operation during 1985 or were under construction on December 31, 1985, as well as acquisitions that were finalized in 1985.

Note: Product lines are grouped in terms of the Standard Industrial Classification. A number in parentheses indicates that the relevant company produces its product line at more than one location.